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MAN TECH ENVIRONMENTAL TECHNOLOGY, INC.

Study Title

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

Data Requirement

U.S. Environmental Protection Agency
Pesticide Assessment Guidelines
Subdivision F, 83-3, U.S.

Environmental Protection Agency
Toxic Substances Control Act Test Guidelines
Health Effects Testing Guidelines - 798.4900

Study Director

Raymond G. York, Ph.D., DABT

Study Completed On

July 27, 1998
(Report Amendment)

Performing Laboratory

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Laboratory Project ID

Argus Research Laboratories, Inc., Protocol Number: 1613-002

This page to be supplied by the Sponsor.

GOOD LABORATORY PRACTICE STATEMENT

This study was conducted according to U.S. Environmental Protection Agency (FIFRA/TSCA) *Good Laboratory Practice Standards; Final Rule* (40 CFR Part 160/792). Any areas of noncompliance are documented in the study record. No deviations existed that significantly affected the validity of the study.

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Flagging Page
Reserved for Regulatory Submission Information

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AMENDMENT
July 27, 1998

PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

FINAL REPORT

1. Thyroid Histopathology Fo Generation Female Rats (APPENDIX N) - the summary table pages were added to the final report.

   This change did not affect the results of the study.

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Associate Director of Research and
Study Director

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

TABLE OF CONTENTS

SUBJECT		PAGE
I.	SUMMARY	19
A.	Objective	19
B.	Methods	19
C.	Results	22
D.	Conclusion	25
II.	DESCRIPTION OF TEST PROCEDURES	27
A.	Conduct of Study	27
A.1.	Sponsor	27
A.2.	Testing Facility	27
A.3.	Testing Facility's Study Number	27
A.4.	Sponsor's Study Number	27
A.5.	Purpose of the Study	27
A.6.	Study Design	27
A.7.	Regulatory Compliance	27
A.8.	Ownership of the Study	28
A.9.	Study Monitor	28

SUBJECT		PAGE
A.10.	Study Director	28
A.11.	Technical Performance	28
A.12.	Report Preparation	28
A.13.	Report Review	28
A.14.	Date Protocol Signed	28
A.15.	Dates of Technical Performance	29
A.16.	Records Maintained	31
B.	Test Substance Information	31
B.1.	Description	31
B.2.	Lot Number	31
B.3	Date Received and Storage Conditions	31
B.4.	Special Handling Instructions	31
C.	Carrier Information	31
C.1.	Description	31
C.2.	Analysis of Purity	32
D.	Test Substance Preparation	32
D.1.	Sample Information	32
E.	Test System	32
E.1.	Species	32
E.2.	Strain	33
E.3.	Supplier (Source)	33
E.4.	Sex	33

SUBJECT		PAGE
E.5.	Rationale for Test System	33
E.6.	Fo Generation Test System Data	33
E.7.	Method of Randomization	33
E.8.	System of Identification	34
F.	Husbandry	35
F.1.	Research Facility Registration	35
F.2.	Study Rooms	35
F.3.	Housing	35
F.4.	Lighting	36
F.5.	Sanitization	36
F.6.	Feed	36
F.7.	Feed Analysis	36
F.8.	Water	37
F.9.	Water Analysis	37
F.10.	Bedding	37
F.11.	Bedding Analysis	37
G.	Methods	38
G.1.	Dosage Administration	38
G.2.	Rationale for Dosage Selection	42
G.3.	Route of Administration	42
G.4.	Rationale for Route of Administration	42
G.5.	Frequency of Administration	42

SUBJECT		PAGE
G.6.	Length of Study	43
G.7.	Method of Study Performance	43
H.	Necropsy	49
H.1.	Fo Generation Female Rats	49
H.2.	F1 Generation Pups/Rats	50
J.	Statistical Analysis	53
III.	RESULTS - Fo GENERATION FEMALE RATS	55
A.	Analyses of Test Substance Solutions	55
B.	Consumed Dosages - Fo Generation Female Rats	55
C.	Mortality, Clinical and Necropsy Observations - Fo Generation Female Rats	55
D.	Maternal Body Weights and Body Weight Changes - Fo Generation Female Rats	56
E.	Absolute (g/day) and Relative (g/kg/day) Water Consumption - Fo Generation Female Rats	56
F.	Absolute (g/day) and Relative (g/kg/day) Feed Consumption - Fo Generation Female Rats	57
G.	Natural Delivery and Litter Observations - Fo Generation Dams and Litters	57
H.	Terminal Body Weights, Thyroid Weights and Ratios (%) of Thyroid to Terminal Body Weights - Fo Generation Female Rats	58
I.	Serum Thyroid Hormone Levels - Fo Generation Female Rats	58
J.	Thyroid Histopathology - Fo Generation Female Rats	59
IV.	RESULTS - F1 GENERATION RATS	60
A.	F1 Generation Rats - Subsets 1, 2, 3 and 4	60

SUBJECT		PAGE
B.	F1 Generation Rats - Subset 1	64
C.	F1 Generation Rats - Subset 2	65
D.	F1 Generation Rats - Subset 3	66
E.	F1 Generation Rats - Subset 4	67
REFERENCES		69
APPENDIX A - REPORT FIGURES		71
Figure 1.	Maternal Body Weights - Fo Generation Female Rats	72
Figure 2.	Body Weights - F1 Generation Male Rats	73
Figure 3.	Body Weights - F1 Generation Female Rats	74
Figure 4.	Motor Activity - F1 Generation Male Rats - Day 14 Postpartum	75
Figure 5.	Motor Activity - F1 Generation Female Rats - Day 14 Postpartum	76
Figure 6.	Motor Activity - F1 Generation Male Rats - Day 14 Postpartum	77
Figure 7.	Motor Activity - F1 Generation Female Rats - Day 14 Postpartum	78
Figure 8.	Motor Activity - F1 Generation Male Rats - Day 18 Postpartum	79
Figure 9.	Motor Activity - F1 Generation Female Rats - Day 18 Postpartum	80
Figure 10.	Motor Activity - F1 Generation Male Rats - Day 18 Postpartum	81

SUBJECT		PAGE
Figure 11.	Motor Activity - F1 Generation Female Rats - Day 18 Postpartum	82
Figure 12.	Motor Activity - F1 Generation Male Rats - Day 22 Postpartum	83
Figure 13.	Motor Activity - F1 Generation Female Rats - Day 22 Postpartum	84
Figure 14.	Motor Activity - F1 Generation Male Rats - Day 22 Postpartum	85
Figure 15.	Motor Activity - F1 Generation Female Rats - Day 22 Postpartum	86
Figure 16.	Motor Activity - F1 Generation Male Rats - Day 59 Postpartum	87
Figure 17.	Motor Activity - F1 Generation Female Rats - Day 59 Postpartum	88
Figure 18.	Motor Activity - F1 Generation Male Rats - Day 59 Postpartum	89
Figure 19.	Motor Activity - F1 Generation Female Rats - Day 59 Postpartum	90
Figure 20.	Auditory Startle Habituation - F1 Generation Male Rats - Days 23 and 60 Postpartum	91
Figure 21.	Auditory Startle Habituation - F1 Generation Female Rats - Days 23 and 60 Postpartum	92
APPENDIX B - REPORT TABLES - Fo GENERATION FEMALE RATS		93
Table B1.	Consumed Dosages (mg/kg/day) - Summary - Fo Generation Female Rats	94
Table B2.	Clinical Observations - Summary - Fo Generation Female Rats	96
Table B3.	Maternal Body Weights - Gestation - Summary - Fo Generation Female Rats	98

SUBJECT		PAGE
Table B4.	Maternal Body Weight Changes - Gestation - Summary - Fo Generation Female Rats	100
Table B5.	Maternal Body Weights - Lactation - Summary - Fo Generation Female Rats	101
Table B6.	Maternal Body Weight Changes - Lactation - Summary - Fo Generation Female Rats	103
Table B7.	Maternal Absolute Water Consumption Values (g/day) - Gestation - Summary - Fo Generation Female Rats	104
Table B8.	Maternal Relative Water Consumption Values (g/kg/day) - Gestation - Summary - Fo Generation Female Rats	105
Table B9.	Maternal Absolute Water Consumption Values (g/day) - Lactation - Summary - Fo Generation Female Rats	106
Table B10.	Maternal Relative Water Consumption Values (g/kg/day) - Lactation - Summary - Fo Generation Female Rats	107
Table B11.	Maternal Absolute Feed Consumption Values (g/day) - Gestation - Summary - Fo Generation Female Rats	108
Table B12.	Maternal Relative Feed Consumption Values (g/kg/day) - Gestation - Summary - Fo Generation Female Rats	109
Table B13.	Maternal Absolute Feed Consumption Values (g/day) - Lactation - Summary - Fo Generation Female Rats	110
Table B14.	Maternal Relative Feed Consumption Values (g/kg/day) - Lactation - Summary - Fo Generation Female Rats	111
Table B15.	Natural Delivery Observations - Summary - Fo Generation Female Rats	112
Table B16.	Litter Observations (Naturally Delivered Pups) - Summary - Fo Generation Female Rats/F1 Generation Litters	113
Table B17.	Clinical Observations from Birth to Day 22 Postpartum - Summary - F1 Generation Pups	118
Table B18.	Necropsy Observations - Summary - Fo Generation Female Rats	119

SUBJECT		PAGE
Table B19.	Terminal Body Weights and Thyroid Weights and Ratios(%) of Thyroid Weight to Terminal Body Weight - Summary - Fo Generation Female Rats	120
Table B20.	Necropsy Observations - Summary - F1 Generation Pups	121
Table B21.	Clinical Observations - Individual Data - Fo Generation Female Rats	122
Table B22.	Maternal Body Weights - Presumed Gestation - Individual Data - Fo Generation Female Rats	132
Table B23.	Maternal Body Weights - Lactation - Individual Data - Fo Generation Female Rats	146
Table B24.	Maternal Water Consumption Values - Presumed Gestation - Individual Data - Fo Generation Female Rats	156
Table B25.	Maternal Water Consumption Values - Lactation - Individual Data - Fo Generation Female Rats	170
Table B26.	Maternal Feed Consumption Values - Presumed Gestation - Individual Data - Fo Generation Female Rats	175
Table B27.	Maternal Feed Consumption Values - Lactation - Individual Data - Fo Generation Female Rats	189
Table B28.	Natural Delivery, Implantation Sites, and Pup Viability and Sex - Individual Data - Fo Generation Female Rats/ F1 Generation Litters	199
Table B29.	Pup Body Weight Litter Averages From Birth to Day 22 Postpartum - Individual Data - F1 Generation Litters	209
Table B30.	Pup Body Weights From Birth to Day 22 Postpartum - Individual Data - F1 Generation Pups	219
Table B31.	Pup Vital Status And Sex From Birth to Day 22 Postpartum - Individual Data - F1 Generation Pups	259
Table B32.	Clinical Observations From Birth to Day 22 Postpartum - Individual Data - F1 Generation Pups	264

SUBJECT		PAGE
Table B33.	Necropsy Observations - Individual Data - Fo Generation Female Rats	265
Table B34.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Individual Data - Fo Generation Female Rats	272
Table B35.	Necropsy Observations - Individual Data - F1 Generation Pups	277
APPENDIX C - REPORT TABLES - F1 GENERATION RATS		286
Table C1.	Clinical Observations - Summary - F1 Generation Male Rats	287
Table C2.	Clinical Observations - Summary - F1 Generation Female Rats	289
Table C3.	Body Weights - Summary - F1 Generation Male Rats	292
Table C4.	Body Weight Changes - Summary - F1 Generation Male Rats	294
Table C5.	Body Weights - Summary - F1 Generation Female Rats	296
Table C6.	Body Weight Changes - Summary - F1 Generation Female Rats	298
Table C7.	Absolute Feed Consumption Values (g/day) - Summary - F1 Generation Male Rats	300
Table C8.	Relative Feed Consumption Values (g/kg/day) - Summary - F1 Generation Male Rats	301
Table C9.	Absolute Feed Consumption Values (g/day) - Summary - F1 Generation Female Rats	302
Table C10.	Relative Feed Consumption Values (g/kg/day) - Summary - F1 Generation Female Rats	303
Table C11.	Sexual Maturation - Summary - F1 Generation Rats	304
Table C12.	Clinical Observations - Individual Data - F1 Generation Male Rats	305

SUBJECT		PAGE
Table C13.	Clinical Observations - Individual Data - F1 Generation Female Rats	324
Table C14.	Body Weights - Individual Data - F1 Generation Male Rats	340
Table C15.	Body Weights - Individual Data - F1 Generation Female Rats	370
Table C16.	Feed Consumption Values - Individual Data - F1 Generation Male Rats	400
Table C17.	Feed Consumption Values - Individual Data - F1 Generation Female Rats	415
Table C18.	Sexual Maturation - Individual Data - F1 Generation Male Rats	430
Table C19.	Sexual Maturation - Individual Data - F1 Generation Female Rats	433
APPENDIX D - REPORT TABLES - SUBSET 1		436
Table D1.	Necropsy Observations - Summary - F1 Generation Male Rats - Subset 1	437
Table D2.	Necropsy Observations - Summary - F1 Generation Female Rats - Subset 1	438
Table D3.	Terminal Body Weights and Brain Weights and Ratios (%) of Brain Weight to Terminal Body Weight - Summary - F1 Generation Male Rats - Subset 1	439
Table D4.	Terminal Body Weights and Brain Weights and Ratios (%) of Brain Weight to Terminal Body Weight - Summary - F1 Generation Female Rats - Subset 1	440
Table D5.	Necropsy Observations - Individual Data - F1 Generation Male Rats - Subset 1	441
Table D6.	Necropsy Observations - Individual Data - F1 Generation Female Rats - Subset 1	446

SUBJECT		PAGE
Table D7.	Terminal Body Weights and Brain Weights and Ratios (%) of Brain Weight to Terminal Body Weight - Individual Data - F1 Generation Male Rats - Subset 1	451
Table D8.	Terminal Body Weights and Brain Weights and Ratios (%) of Brain Weight to Terminal Body Weight - Individual Data - F1 Generation Female Rats - Subset 1	456
APPENDIX E - REPORT TABLES - SUBSET 2		461
Table E1.	Passive Avoidance Performance - Summary - F1 Generation Rats - Subset 2	462
Table E2.	Watermaze Performance - Summary - F1 Generation Rats - Subset 2	463
Table E3.	Necropsy Observations - Summary - F1 Generation Male Rats - Subset 2	464
Table E4.	Necropsy Observations - Summary - F1 Generation Female Rats - Subset 2	465
Table E5.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Summary - F1 Generation Male Rats - Subset 2	466
Table E6.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Summary - F1 Generation Female Rats - Subset 2	467
Table E7.	Passive Avoidance Performance - Individual Data - F1 Generation Male Rats - Subset 2	468
Table E8.	Passive Avoidance Performance - Individual Data - F1 Generation Female Rats - Subset 2	473
Table E9.	Watermaze Performance - Individual Data - F1 Generation Male Rats - Subset 2	478
Table E10.	Watermaze Performance - Individual Data - F1 Generation Female Rats - Subset 2	483
Table E11.	Necropsy Observations - Individual Data - F1 Generation Male Rats - Subset 2	488

SUBJECT		PAGE
Table E12.	Necropsy Observations - Individual Data - F1 Generation Female Rats - Subset 2	493
Table E13.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - F1 Generation Male Rats - Subset 2	498
Table E14.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - F1 Generation Female Rats - Subset 2	503
APPENDIX F - REPORT TABLES - SUBSET 3		508
Table F1.	Motor Activity - Summary - F1 Generation Rats - Subset 3	509
Table F2.	Auditory Startle Habituation - Summary - F1 Generation Rats - Subset 3	525
Table F3.	Necropsy Observations - Summary - F1 Generation Male Rats - Subset 3	527
Table F4.	Necropsy Observations - Summary - F1 Generation Female Rats - Subset 3	528
Table F5.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Summary - F1 Generation Male Rats - Subset 3	529
Table F6.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Summary - F1 Generation Female Rats - Subset 3	530
Table F7.	Motor Activity - Individual Data - F1 Generation Male Rats - Subset 3	531
Table F8.	Motor Activity - Individual Data - F1 Generation Female Rats - Subset 3	611
Table F9.	Auditory Startle Habituation - Individual Data - F1 Male Generation Rats - Subset 3	691
Table F10.	Auditory Startle Habituation - Individual Data - F1 Female Generation Rats - Subset 3	701

SUBJECT		PAGE
Table F11.	Necropsy Observations - Individual Data - F1 Generation Male Rats - Subset 3	711
Table F12.	Necropsy Observations - Individual Data - F1 Generation Female Rats - Subset 3	716
Table F13.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Individual Data - F1 Generation Male Rats - Subset 3	721
Table F14.	Terminal Body Weights and Thyroid Weights and Ratios (%) of Thyroid Weight to Terminal Body Weight - Individual Data - F1 Generation Female Rats - Subset 3	726
APPENDIX G - REPORT TABLES - SUBSET 4		731
Table G1.	Necropsy Observations - Summary - F1 Generation Male Rats - Subset 4	732
Table G2.	Necropsy Observations - Summary - F1 Generation Female Rats - Subset 4	733
Table G3.	Terminal Body Weights and Organ Weights - Summary - F1 Generation Male Rats - Subset 4	734
Table G4.	Ratios (%) of Organ Weight to Terminal Body Weight - Summary - F1 Generation Male Rats - Subset 4	736
Table G5.	Terminal Body Weights and Organ Weights - Summary - F1 Generation Female Rats - Subset 4	738
Table G6.	Ratios (%) of Organ Weights to Terminal Body Weight - Summary - F1 Generation Female Rats - Subset 4	740
Table G7.	Necropsy Observations - Individual Data - F1 Generation Male Rats - Subset 4	742
Table G8.	Necropsy Observations - Individual Data - F1 Generation Female Rats - Subset 4	747
Table G9.	Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight - Individual Data - F1 Generation Male Rats - Subset 4	752

SUBJECT PAGE

Table G10. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight - Individual Data - F1 Generation Female Rats - Subset 4 762

APPENDIX H - PROTOCOL AND AMENDMENTS 772

APPENDIX I - DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY 820

APPENDIX J - ANALYTICAL CHEMISTRY, AMMONIUM PERCHLORATE CONCENTRATION AND STABILITY VERIFICATION REPORT 823

APPENDIX K - ENVIRONMENTAL AND HUSBANDRY REPORTS 852

APPENDIX L - POSITIVE CONTROL DATA 881

APPENDIX M - SERUM THYROID TSH, T_3 and T_4 HORMONE ANALYSIS 995

APPENDIX N - THYROID HISTOPATHOLOGY - Fo GENERATION FEMALE RATS 1003

APPENDIX O - THYROID HISTOPATHOLOGY - F1 GENERATION PUPS 1028

APPENDIX P - NEUROHISTOLOGY AND MORPHOLOGY - POSTPARTUM DAY 12 1040

APPENDIX Q - NEUROHISTOLOGY AND MORPHOLOGY - POSTPARTUM DAYS 82 to 85 1072

APPENDIX R - QUALITY ASSURANCE UNIT FINAL REPORT STATEMENT 1107

Last Page 1115

TITLE: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

ARGUS RESEARCH LABORATORIES, INC.
PROTOCOL NUMBER: 1613-002
SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

I. SUMMARY

A. Objective

The purpose of this study was to provide information for use in evaluating the potential for neurobehavioral effects in offspring after exposure to ammonium perchlorate *in utero* and during the neonatal period.

B. Methods[a]

Text Figure 1 provides a schematic of the study design.

One hundred twenty-five Crl:CD®BR VAF/Plus® (Sprague-Dawley) naturally-bred female rats were assigned to one of five dosage groups (Groups I through V), 25 rats per dosage group, on the basis of body weights recorded on day 0 of presumed gestation (DG 0). Female rats were given continual access to the test substance, ammonium perchlorate, or the carrier control, non-chlorinated R.O. deionized water, in drinking water beginning on DG 0 and continuing through DL[b] 10 (dams that did deliver a litter). Target dosages were 0 (Carrier), 0.1, 1.0, 3.0 and 10.0 mg/kg/day. Test substance concentrations were evaluated weekly based on actual water consumption levels recorded the previous week and adjusted as necessary to more closely achieve the target dosage levels.

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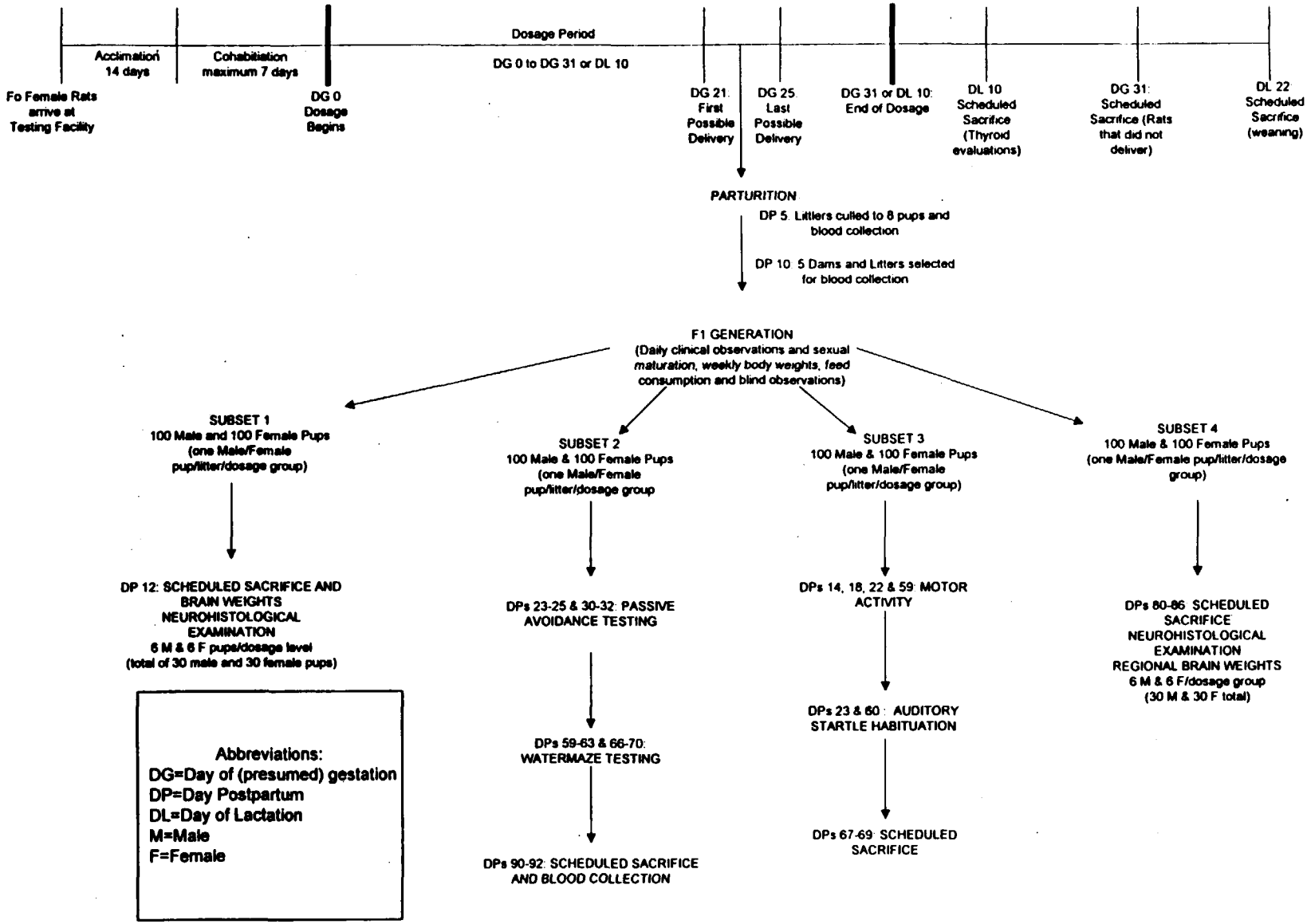
a. Detailed descriptions of all procedures used in the conduct of this study are provided in the appropriate sections of this report and in APPENDIX H (PROTOCOL AND AMENDMENTS).
b. DL is used as an abbreviation for day of lactation.

TEXT FIGURE 1
A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
ARGUS PROTCOL 1613-002
Study Schematic



During the daily exposure period, an individual unaware of each rat's dosage group, examined the rats for signs of autonomic dysfunction, abnormal postures, abnormal movements or abnormal behavior patterns, and unusual appearance at approximately the same time each day. The dams were evaluated for duration of gestation, litter sizes and pup viability at birth. Maternal behavior of the dams was evaluated daily. Body weights were recorded on DG 0, daily during the exposure and post-exposure periods and on the day sacrificed. Feed consumption values were recorded daily during the exposure and post-exposure periods. Water consumption values were recorded daily during the exposure period. Pups were observed for viability at birth. Pups were counted and clinical observations were recorded once daily during the preweaning and postweaning periods. During the postweaning period, an individual unaware of the maternal dosage group, performed an evaluation of autonomic dysfunction, abnormal postures, abnormal movements or abnormal behavior patterns, and unusual appearance on a weekly basis (this observation coincided with the recording of weekly body weights). Body weights were recorded on DPs[a] 1, 5, 8, 12, 14, 18 and 22, weekly postweaning, and at sacrifice. Feed consumption values were recorded weekly postweaning. Female pups were evaluated for the age of vaginal patency beginning on DP 28 and male pups were evaluated for the age of preputial separation beginning on DP 39.

On DP 5, a table of random units was used to select pups to standardize the litters, and litters were reduced to eight pups each. Five dams were selected for sacrifice and blood collection on DL 10. On DP 12, a table of random units was used to select four male and four female pups from each litter for continued observation. One male and one female pup per litter per dosage group were assigned to each subset as follows: brain weights and neurohistology examinations (Subset 1); passive avoidance and watermaze testing (Subset 2), motor activity and auditory startle habituation (Subset 3), regional brain weight and neurohistology examinations (Subset 4). The evaluation of the pups in each subset is listed in Text Figure 1.

Dams that delivered a litter and were selected for continued observation were sacrificed on DL 22. A gross necropsy of the thoracic, abdominal and pelvic viscera was performed. In the uterus, the number and distribution of implantation sites were recorded. Dams with no surviving pups and dams with less than 8 pups per litter were sacrificed on DL 10 and up to five dams per dosage group were selected for assessment of thyroid parameters, including serum levels of TSH, T_3 and T_4. Thyroids from all Fo generation rats were excised, weighed and retained. Histological examination was performed on all gross lesions and thyroids.

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a. DP is used as an abbreviation for day postpartum.

On DP 1, pups that either appeared stillborn or that died before initial examination of the litters for viability were separated from the litters and individually examined for vital status. Pups with gross lesions were preserved. On DP 5, all pups that were not selected for continued observation were sacrificed and necropsied. Pups were bled via the inferior vena cava; the whole blood samples were pooled by litter and centrifuged, then the resulting sera was frozen and shipped for possible assessment of thyroid parameters, including serum levels of TSH, T_3 and T_4. Thyroids of the culled pups were fixed *in situ* and sent for histological examination. F1 generation pups not selected for continued observation on DP 10 (total of 102 pups) were sacrificed and examined for gross lesions.

The F1 generation rats selected for continued observation were sacrificed after completion of all the postweaning behavioral evaluations (Subset 1 - DP 12; Subset 2 - DPs 90 to 92; Subset 3 - DPs 67 to 69; Subset 4 - DPs 80 to 86). All rats were necropsied and gross lesions were retained. Thyroids of all F1 generation rats were excised, weighed and retained.

One F1 generation rat per sex per litter per dosage group from Subset 2 was bled at sacrifice via the inferior vena cava; serum samples were frozen and shipped for assessment of thyroid parameters, including serum levels of TSH, T_3 and T_4. Pups selected for brain weight determination and neurohistological evaluation (pups in Subset 1 on DP 12 and rats in Subset 4 on DPs 82 to 85) were sacrificed and processed for evaluation. Pups in Subset 1 were sacrificed and calvaria was removed and the head immersed in fixative; the brains of those pups were sent for neurohistology processing and evaluation. Rats in Subset 4 selected for regional brain weights were sacrificed by carbon dioxide asphyxiation. The brain was removed, blotted, chilled, sectioned and weighed. A necropsy was conducted, and tissues with gross lesions were preserved.

Subset 4 rats selected for neurohistological evaluation were administered a combination of heparin and pentabarbitol and perfused *in situ*. A necropsy was conducted, and tissues with gross lesions were preserved. The calvaria was removed and the head immersed in the fixative; the brains of these rats were sent for neurohistology and morphometry evaluation. The remaining pups in Subset 4 were sacrificed and examined for gross lesions.

C. Results

C.1. Fo Generation Female Rats

Stability and concentration verification of the ammonium perchlorate dosing solutions showed that ammonium perchlorate is stable in reagent water through 109 days and the concentrations of the ammonium perchlorate dosing solutions (0.05 to 200 µg/mL) were within an acceptable range of +/-10%.

The average actual consumed daily dosages for female rats for the entire gestation period (calculated as days 0 to 21 of gestation) were 0, 0.1, 1.1, 3.5 and 11.6 mg/kg/day for the 0 (Carrier), 0.1, 1.0, 3.0 and 10.0 mg/kg/day target dosages, or 100%, 100%, 110%, 117% and 116% of target, respectively. The average actual consumed daily dosages for female rats during the lactation period (calculated as days 1 to 10 of lactation) were 0, 0.2, 1.6, 4.7 and 15.4 mg/kg/day for the 0 (Carrier), 0.1, 1.0, 3.0 and 10.0 mg/kg/day target dosages, or 100%, 200%, 160%, 157% and 154% of target, respectively.

No Fo generation deaths related to the test substance occurred. One 0 (Carrier) mg/kg/day target dosage group dam and one dam in the 1.0 mg/kg/day target dosage group died during delivery and one 0 (Carrier) mg/kg/day target dosage group dam was sacrificed on day 1 of lactation (DL 1) due to a prolapsed uterus.

No clinical observations, observations of autonomic dysfunction or necropsy observations that occurred during the gestation or lactation periods were considered related to the test substance. Average body weights and body weight changes for Fo generation dams were comparable among the five groups for all days of gestation and lactation. Absolute (g/day) and relative (g/kg/day) water and feed consumption values were comparable among the five groups during each tabulated interval of the gestation and lactation periods.

There were 22 to 25 pregnant Fo generation dams in each dosage group. Exposure to the test substance at dosages as high as 10.0 mg/kg/day did not adversely affect any parameter evaluated at natural delivery or during the 22-day lactation period. All clinical and necropsy observations in the pups were unrelated to the test substance.

Terminal body weights, absolute thyroid weights and the ratios of thyroid weight to terminal body weight of the Fo generation dams were comparable among the five target dosage groups.

All dosages of ammonium perchlorate increased TSH, T_3 and T_4 serum levels for Fo generation dams at DL 10 over the control group values. Serum TSH was statistically elevated ($p \leq 0.01$ or $p \leq 0.001$) for the 0.1, 3.0, and 10.0 mg/kg/day groups, however, no dosage-response was evident between the 3.0 and 10.0 mg/kg/day dosage groups. Serum T_4 values were greater than the control value in all groups exposed to the test substance, however only the 0.1 and 10.0 mg/kg/day dosage group values were statistically significant ($p \leq 0.001$ and $p \leq 0.05$, respectively). Serum T_3 values were significantly increased ($p \leq 0.05$ to $p \leq 0.001$) over the control group value in the 0.1, 3.0 and 10.0 mg/kg/day target dosage groups.

There were no treatment-related microscopic changes observed in the thyroid glands of the female Fo generation rats given any of the concentrations of ammonium perchlorate in the drinking water.

C.2. F1 Generation Male and Female Rats

One F1 generation male rat in the 10.0 mg/kg/day maternal dosage group (Subset 2) and four F1 generation female rats in the 0.1 mg/kg/day maternal dosage group (one in Subset 2 and three in Subset 4) died before study termination; these deaths were not considered treatment-related because no other rats in the 10.0 mg/kg/day dosage group died and the incidence of deaths in the 0.1 mg/kg/day dosage group was not dosage-dependent. All other rats in Subsets 2 and 4 and all rats in Subsets 1 and 3 survived until scheduled sacrifice.

All clinical observations in the F1 generation male and female rats were considered unrelated to the test substance. Average body weights and body weight changes for F1 generation male and female rats were generally comparable among the five dosage groups throughout the postpartum period. Body weight gains for the tabulated intervals DPs 5 to 12 (includes rats Subsets 1 through 4), DPs 5 to 65 (Subsets 2, 3 and 4), DPs 5 to 79 (Subsets 2 and 4) and 5 to 86 (Subset 2 only) were comparable among the five dosage groups. Absolute (g/day) and relative (g/kg/day) feed consumption values for F1 generation male and female rats were comparable among the five groups throughout the postpartum period.

Target dosages as high as 10.0 mg/kg/day ammonium perchlorate administered to the Fo generation dams did not affect the day of vaginal patency or the day of preputial separation in the F1 generation rats.

All F1 generation male and female pups in Subset 1 appeared normal at necropsy. The terminal body weights, brain weights and ratios of the brain weight to the terminal weight for F1 generation male and female pups in Subset 1 were comparable among the five dosage groups. There were no treatment-related neuropathologic changes observed in the brains of the male and female F1 generation pups in Subset 1.

There were no biologically important or dosage-dependent differences in the values for learning, short-term retention, long-term retention or response inhibition in the F1 generation male or female rats in Subset 2, as evaluated by performance in a passive avoidance paradigm or watermaze. No necropsy observations that occurred in the F1 generation male and female rats in Subset 2 were considered related to the test substance. The terminal body weights, thyroid weights and ratios of the thyroid weight to the terminal weight for

F1 generation male and female rats in Subset 2 were comparable among the five dosage groups.

Administration of ammonium perchlorate at target dosages up to 10.0 mg/kg/day to the Fo generation dams did not affect the average number of movements for motor activity for the F1 generation male or female rats in Subset 3 as evaluated in a 1.5 hour session (18 five-minute blocks) at four different ages (DPs 14, 18, 22 and 59). Target dosages as high as 10.0 mg/kg/day to Fo generation rats did not affect the auditory startle response magnitude in the F1 generation male or female rats following a series of 20 msec, 120 dBA bursts of noise at ten-second intervals for 50 trials at either time period tested (DPs 23 and 60). No necropsy observations in the F1 generation male and female rats in Subset 3 were considered related to the test substance. Terminal body weights, absolute thyroid weights and the ratios of thyroid to terminal body weight for the F1 generation male and female rats in Subset 3 were comparable among the five maternal dosage groups.

No necropsy observations that occurred in the F1 generation male and female rats in Subset 4 were considered related to the test substance. Terminal body weights, absolute thyroid weights and the ratios of thyroid weight to terminal body weight for the male and female rats were comparable in all five dosage groups in Subset 4. The terminal body weights, average whole brain weights and weights of the brain regions (telencephalon, diencephalon/mesencephalon, medulla oblongata/pons and cerebellum) for the F1 generation male and female rats in Subset 4 were comparable in the five dosage groups. Ratios of these organ weights to the terminal body weights were also comparable among the five dosage groups.

There was a significant increase in hypertrophy/hyperplasia of follicular epithelium and a significant decrease in the follicle size of thyroids from male pups in the 10.0 mg/kg/day dosage group culled on DP 5. There was no significant follicular epithelial cell hypertrophy/hyperplasia or decrease in follicular size in the thyroids of female pups culled on DP 5.

D. Conclusion

The objective of this study was to provide information for use in evaluating the potential for neurobehavioral effects in offspring after exposure to ammonium perchlorate *in utero* and during the neonatal period. Ammonium perchlorate did not cause any neurobehavioral effects in the offspring when administered to dams during gestation and lactation at target dosages of 0.1, 1.0 or 3.0 mg/kg/day. Administration of ammonium perchlorate at dosages tested (0.1, 1.0, 3.0 and 10.0 mg/kg/day) increased TSH, T_3 and T_4 serum levels on DL 10 in the Fo generation dams. There was a significant increase in hypertrophy/ hyperplasia of follicular epithelium and a significant decrease in the follicle size of

thyroids from the F1 generation male pups in the 10.0 mg/kg/day dosage group culled on DP 5. No other effects in the F1 generation rats were observed. Cognitive functions (learning, memory, habituation) were not impaired in the pups at any time at any dosage. These data demonstrate that ammonium perchlorate is not a selective developmental neurotoxicant in the rat. Aside from the increased thyroid hormone levels at all dosages tested, the no-observed-adverse-effect-level (NOAEL) for maternal toxicity in this study was 10.0 mg/kg/day. Based on the histopathology findings on the thyroid, the no-observed-adverse-effect-level (NOAEL) for pup toxicity was 3.0 mg/kg/day.

Mildred S. Christian, Ph.D., ATS Date
Executive Director of Research

30 JUN 98

Alan M. Hoberman, Ph.D., DABT Date
Director of Research

30 JUN 98

Raymond G. York, Ph.D., DABT Date
Associate Director of Research and
Study Director

The opinions expressed in this report are those of the Study Director and do not reflect the opinions of the Sponsor, MANTECH GEO-CENTERS JOINT VENTURE under contract with the United States Air Force.

II. DESCRIPTION OF TEST PROCEDURES

A. Conduct of Study:

A.1. Sponsor:

Man Tech Geo-Centers Joint Venture, Man Tech Environmental Technology, Inc., P.O. Box 31009, Dayton, Ohio 45437-0009

A.2. Testing Facility:

Argus Research Laboratories, Inc., 905 Sheehy Drive, Building A, Horsham, Pennsylvania 19044-1297

A.3. Testing Facility's Study Number:

1613-002

A.4. Sponsor's Study Number:

7757A210-1096-25F

A.5. Purpose of the Study:

The purpose of this study was to provide information for use in evaluating the potential for neurobehavioral effects in offspring after exposure to ammonium perchlorate *in utero* and during the neonatal period.

A.6. Study Design:

The requirements of the U.S. Environmental Protection Agency Health Effects Test Guidelines; Developmental Neurotoxicity Study[1] were used as the basis for study design.

A.7. Regulatory Compliance:

The study was conducted in compliance with Good Laboratory Practice (GLP) regulations of the U.S. Environmental Protection Agency (EPA)[2,3]. There were no significant deviations from the GLP regulations that affected the quality or integrity of the study. Quality Assurance Unit findings derived from the inspections during the conduct of this study are documented and have been provided to the Study Director and the Testing Facility Management.

A.8. Ownership of the Study:

The Sponsor owns the study. All raw data, analyses, reports and preserved tissues are the property of the Sponsor.

A.9. Study Monitor:

Darol E. Dodd, Ph.D., DABT (Director, Toxic Hazards Research, ManTech Environmental Technology, Inc.)

A.10. Study Director:

Raymond G. York, Ph.D., DABT (Associate Director of Research)

A.11. Technical Performance:

John F. Barnett, B.S. (Director of Laboratory Operations)
John F. Barnett Jr., B.S. (Senior Research Associate)
Kelly S. Betz (Laboratory Technician)

A.12. Report Preparation:

Raymond G. York, Ph.D., DABT (Associate Director of Research)
Heidi M. Green, M.S. (Study Coordinator)
Peter A. Cardie, B.S. (Senior Data Management Specialist/Trainer)
Georgia Y. Burnett, A.A.S. (Administrative Assistant)

A.13. Report Review:

Alan M. Hoberman, Ph.D., DABT (Director of Research)
Mildred S. Christian, Ph.D., ATS (Executive Director of Research)

A.14. Date Protocol Signed:

September 12, 1997

A.15. Dates of Technical Performance:

Fo Generation:

Animal Arrival Date	16 SEP 97
Cohabitation Period	29 SEP 97 PM - 03 OCT 97 AM
Dosage Period [DG[a] 0 through DG 31 (dams that do not deliver) or DL[b] 10]	30 SEP 97 - 03 NOV 97
Delivery Period	22 OCT 97 - 25 OCT 97
DL 5 Blood Collection and Scheduled Sacrifice (F1 generation standardized litters)	26 OCT 97 - 29 OCT 97
DL 10 Blood Collection and Scheduled Sacrifice (Fo generation dams and litters not selected for continued observation)	31 OCT 97 - 03 NOV 97
DL 22 Scheduled Sacrifice (Fo generation dams and pups not selected for continued observation)	12 NOV 97 - 15 NOV 97

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a. DG is used as an abbreviation for day of (presumed) gestation. DG 0 is defined as the day when spermatozoa is observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ*.

b. DL is used as abbreviation for day of lactation. The day of birth is designated postnatal day 0 (day 0 of lactation) in Addendum 10 to the Pesticide Assessment Guidelines of the U.S. Environmental Protection Agency (EPA). This same day is designated day 1 postpartum (day 1 of lactation) in the Standard Operating Procedures of the Testing Facility. Throughout this protocol, the day of birth will be designated day 1 postpartum (day 1 of lactation) and all subsequent ages of the F1 generation rats and days of the lactation period will be determined and cited accordingly.

F1 Generation:

Subset 1

Scheduled Sacrifice (DP[a] 12)	02 NOV 97 - 05 NOV 97
Fixed Brain Weights (DP 12)[b]	
Female Pups	21 DEC 97
Male Pups	26 DEC 97

Subset 2

Passive Avoidance (DPs 23 to 25)	13 NOV 97 - 18 NOV 97
Passive Avoidance (DPs 30 to 32)	20 NOV 97 - 25 NOV 97
Watermaze Testing (DPs 59 to 63)	20 DEC 97 - 24 DEC 97
Watermaze Testing (DPs 66 to 70)	27 DEC 97 - 31 DEC 97
Sexual Maturation (Females - DP 28)	18 NOV 97 - 29 NOV 97
Sexual Maturation (Males - DP 39)	29 NOV 97 - 07 JAN 98
Blood Collection and Scheduled Sacrifice (DPs 90 to 92)	20 JAN 98 - 23 JAN 98

Subset 3

Motor Activity (DPs 14, 18, 22)	04 NOV 97 - 15 NOV 97
Auditory Startle Habituation (DP 23)	13 NOV 97 - 16 NOV 97
Sexual Maturation (Females - DP 28)	18 NOV 97 - 29 NOV 97
Sexual Maturation (Males - DP 39)	29 NOV 97 - 20 DEC 97
Motor Activity (DP 59)	19 DEC 97 - 22 DEC 97
Auditory Startle Habituation (DP 60)	20 DEC 97 - 23 DEC 97
Scheduled Sacrifice (DPs 67 to 69)	29 DEC 97 - 30 DEC 97

Subset 4

Sexual Maturation (Females - DP 28)	18 NOV 97 - 28 NOV 97
Sexual Maturation (Males - DP 39)	29 NOV 97 - 20 DEC 97
Scheduled Sacrifice (DPs 80 to 86)	12 JAN 98 - 16 JAN 98
Regional Brain Weights (DPs 81 to 86)	13 JAN 98 - 16 JAN 98
Fixed Brain Weights (DPs 82 to 85)[b]	22 MAR 98

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a. DP is used as an abbreviation for day postpartum. DP 1 was the day of birth.

b. Analyses of fixed brain weights were performed by Robert H. Garman, D.V.M., Diplomate, Consultants in Veterinary Pathology, Monroeville, Pennsylvania. Results of these analyses can be found in APPENDIX P.

A.16. Records Maintained:

The original report, raw data and reserve samples of the test substance and carrier are reserved at the Testing Facility. Preserved tissues are stored at the Testing Facility for one year after mailing of the draft final report, after which time the Sponsor will be contacted to determine their final disposition. All unused bulk test substance formulations were discarded at the Testing Facility. Raw data generated by the Study Sponsor will be stored at the Sponsor's archives (analytical chemistry, hormone analyses and thyroid histopathology).

B. Test Substance Information:

B.1. Description:

Ammonium Perchlorate (CAS No. 7790-98-9) - a white, crystalline solid

B.2. Lot Number:

03907LF

B.3. Date Received and Storage Conditions:

The test substance was received from Aldrich Chemical Company (Milwaukee, Wisconsin) on August 28, 1997, and stored at room temperature.

B.4. Special Handling Instructions:

Gloves, mask, appropriate eye protection, full Tyvek® suit and half-face respirator were worn during the formulation preparation and exposure period[a].

C. Carrier Information:

C.1. Description:

Non-chlorinated reverse osmosis membrane processed deionized water (R.O. deionized water).

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a. The exposure period is defined as all handling of the bulk test substance and prepared solutions during the dosage period [DG 0 through DG 31 (dams that do not deliver) or DL 10].

C.2. Analysis of Purity:

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to be present in the carrier that would interfere with the results of this study. A sample of the R.O. deionized water was analyzed by the Sponsor for ammonium perchlorate and nitrate levels. No ammonium perchlorate or nitrates were present in the R.O. deionized water.

D. Test Substance Preparation:

Formulations (solutions) were prepared weekly at the Testing Facility. The test substance was considered 100% pure for the purpose of dosage calculations. Prepared stock formulations were stored refrigerated and brought to room temperature prior to use.

D.1. Sample Information:

Sample Type	Size	Date Retained	Shipping Conditions	Shipped To	Date Shipped
Bulk Test Substance	1 g	03 NOV 97[a]	Room temperature	Sponsor	03 NOV 97
Concentration (all levels)	2 mL[b]	22 SEP 97 06 OCT 97 26 OCT 97	Room temperature	Sponsor	22 SEP 97 06 OCT 97 27 OCT 97
Test Substance Reserve	5 g	22 SEP 97	Room temperature	Testing Facility Archives	21 NOV 97
Carrier Reserve	5 mL	22 SEP 97	Room temperature	Testing Facility Archives	21 NOV 97

a. Last day of treatment.
b. Triplicate samples (2 mL each) were taken from the stock solution and each dosing formulation. Two sets of these samples were sent to the Sponsor for analysis and the other set was retained refrigerated at the Testing Facility as backup samples.

Results of the concentration and stability analyses are available in APPENDIX J. Stability of the prepared formulations for use up to 109 days bracketing the range of concentrations used in this study was demonstrated.

E. Test System:

E.1. Species:

Rat

E.2. Strain:

Crl:CD®BR VAF/Plus® (Sprague-Dawley)

E.3. Supplier (Source):

Fo Generation:

Charles River Laboratories, Inc., Kingston, NY

F1 Generation:

Offspring were delivered by the pregnant Fo generation dams in this study and were born at the Testing Facility.

E.4. Sex:

Female rats were given the test substance. Male rats of the same source and strain were used only as breeders and were not considered part of the Test System.

Both male and female F1 generation rats were evaluated.

E.5. Rationale for Test System:

The Crl:CD®BR VAF/Plus® (Sprague-Dawley) rat was selected as the Test System because this strain of rat has been demonstrated to be sensitive to reproductive and developmental toxins and has been widely used throughout industry for reproductive and developmental toxicity evaluations.

E.6. Fo Generation Test System Data:

	Breeder Male Rats	Female Rats
Number of Rats	200	175
Approximate Date of Birth	03 MAY 97	14 JUL 97
Approximate Age at Arrival	90 days	65 days
Weight (g) on Day After Arrival	345 to 409	171 to 234
Weight (g) at Study Assignment	N/A	228 to 295

E.7. Method of Randomization:

Upon arrival, Fo generation rats were assigned to individual housing on the basis of computer-generated random units. Female rats were assigned to one of five dosage groups (Groups 1 through 5), 25 rats per dosage group, using a

computer-generated (weight-ordered) randomization procedure based on body weights recorded on DG 0.

On DP 5, a table of random units was used to select pups to standardize the litter, and litters were culled to eight pups each. Pups selected to be culled were bled at sacrifice via the inferior vena cava. A whole blood sample, pooled by litter, was collected and sera samples were obtained. The thyroid of these culled pups was also retained for possible future analysis. Whenever possible, four male and four female pups per litter were continued on study. Litters with fewer than seven pups were not retained and were sacrificed on DL 10. Five dams per group were selected for sacrifice and blood collection on DL 10. These rats were selected based on the following prioritized criteria: 1) rats that failed to deliver a litter; 2) dams with litters with less than 8 pups; or 3) a table of random units, should the first two options fail to provide five dams per dosage group.

On DP 12, a table of random units was used to select four male and four female pups from each litter for continued observation, when possible. When not possible, pups were selected on the basis of the prioritized criteria, previously described. One male and one female pup per litter were assigned to each Subset as follows: brain weights and neurohistology examinations (Subset 1), passive avoidance and watermaze testing (Subset 2), motor activity and auditory startle habituation (Subset 3), regional brain weight and neurohistology examinations (Subset 4).

E.8. System of Identification:

Fo Generation:

White cage tags were marked with the study number, permanent rat number, sex, test substance identification and dosage level[a].

Rats were permanently identified using Monel® self-piercing ear tags (Gey Band and Tag Co., Inc., No. MSPT 20101). Male rats were given unique permanent identification numbers upon assignment to the Testing Facility's breeder male rat population. Female rats were assigned temporary numbers at receipt and given unique permanent identification numbers when assigned to the study on the basis of DG 0 body weights.

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a. The cage tags were not color coded and the rats were not numbered in sequential order so as to keep the individual unaware of the rat's dosage group. The individuals were examining for autonomic dysfunction, abnormal postures, abnormal movements or abnormal behavior patterns, and unusual appearance.

F1 Generation:

Following culling on DP 5, pups were individually identified with temporary numbers using ink (AIMS Pigment #242, Concentration B, Piscataway, New Jersey) injected under the skin of the paws and/or tail. On DP 12, pups retained for study were individually assigned within the litter to their subsets using their unique permanent numbers. Pups assigned to Subset 3 were identified with a tail tattoo prior to DP 14.

On DP 22, each pup selected for continued study was uniquely identified with a Monel® self-piercing ear tag inscribed with a unique animal number.

F. Husbandry:

F.1. Research Facility Registration:

USDA Registration No. 23-R-099 under the Animal Welfare Act, 7 U.S.C. 2131 *et seq.*

F.2. Study Rooms:

The study rooms were maintained under conditions of positive airflow relative to a hallway and independently supplied with a minimum of ten changes per hour of 100% fresh air that had been passed through 99.97% HEPA filters (Airo Clean® rooms). Room temperature and humidity were monitored constantly throughout the study. Room temperature was targeted at 64°F (18°C) to 79°F (26°C); relative humidity was targeted at 30% to 70%, see APPENDIX K (Environmental and Husbandry Reports).

F.3. Housing:

All cage sizes and housing conditions are in compliance with the *Guide for the Care and Use of Laboratory Animals*[4][a]. Although there was no formal cage rotation procedure used during the course of this study, the cage location for each rat was changed on four different occasions. Upon arrival, the rat was assigned to temporary housing during the two-week acclimation period. The female rats were then placed into cohabitation with the male breeder rats during the four-day cohabitation period. After successful mating (DG 0), the female rats were removed from cohabitation, assigned a permanent identification number and placed into new cages. The female rats remained in these cages

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a. See APPENDIX I (DEVIATIONS FROM THE PROTOCOL AND STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY), item 1.

throughout the three-week gestation period. The day prior to the first day of delivery (DG 20) all female rats were placed into nesting boxes where they remained until scheduled sacrifice, approximately three weeks later (DL 22).

Fo Generation Rats:

Fo generation rats were individually housed in stainless-steel wire-bottomed cages except during the cohabitation and postpartum periods. During cohabitation, each pair of rats was housed in the male rat's cage. On DG 0 the rats were removed from cohabitation and individually housed. Beginning no later than DG 20, Fo generation female rats were individually housed in nesting boxes. Each dam and delivered litter were housed in a common nesting box during the postpartum period.

F1 Generation Pups:

After weaning, on DP 22, the F1 generation pups were individually housed. The same type of caging was used as described for the Fo generation rats.

F.4. Lighting:

An automatically-controlled fluorescent light cycle was maintained at 12-hours light:12-hours dark, with each dark period beginning at 1900 hours EST.

F.5. Sanitization:

Cage pan liners were changed approximately three times each week. Cages were changed approximately every other week. Bedding was changed as often as necessary to keep the rats dry and clean.

F.6. Feed:

Rats were given Certified Rodent Diet® #5002 (PMI Nutritional International, St. Louis, Missouri) available *ad libitum* from individual feeders. The same feed lot was available to the rats for the duration of the in-life portion of the study.

F.7. Feed Analysis:

Analyses were routinely performed by the feed supplier. No contaminants at levels exceeding the maximum concentration limits in certified feed or deviations from expected nutritional requirements were detected by these analyses. Iodine in the feed from Calcium Iodate was 0.67 ppm (PMI Nutrition International, St. Louis, Missouri). Copies of the results of the feed analyses are available in APPENDIX K and in the raw data.

Neither the Study Director nor the Sponsor was aware of any agent present in the feed that was known to interfere with the results of this study.

F.8. Water:

All water was from a local source and passed through a reverse osmosis membrane before use. Water was analyzed monthly for possible bacterial contamination and twice annually for possible chemical contamination.

During the acclimation and pre-exposure periods, rats were given R.O. deionized water only available *ad libitum* from individual amber bottles attached to the cages. During the dosage period, rats were given either R.O. deionized water only (carrier control group) or test drinking water prepared using R.O. deionized water and the test substance. These were available *ad libitum* from individual bottles attached to the cages. Chlorine was not added to the R.O. deionized water as a bacteriostat during the acclimation and exposure period. During the post-exposure lactation period (following DL 10), the dams and litters were given R.O. deionized water with chlorine added to a maximum of 1.2 ppm as a bacteriostat via individual clear water bottles. During the post-exposure period, following weaning, F1 generation pups selected for continued observation were given R.O. deionized water with chlorine (added at a maximum of 1.2 ppm as a bacteriostat) via individual clear water bottles and/or automatic watering system.

F.9. Water Analysis:

The processed water is analyzed twice annually for possible chemical contamination (Lancaster Laboratories, Lancaster, Pennsylvania) and monthly for possible bacterial contamination (Analytical Laboratories, Inc., Chalfont, Pennsylvania). Copies of the results of the water analyses are available in the raw data and in APPENDIX K.

Neither the Study Director nor the Sponsor was aware of any agent present in the water that was known to interfere with the results of this study.

F.10. Bedding:

Bed-o'cobs® [The Andersons Industrial Products Group (Maumee, Ohio)]

F.11 Bedding Analysis:

Analyses for possible contamination are conducted annually. Copies of the results of the bedding analyses are available in the raw data and in APPENDIX K.

G. Methods:

G.1. Dosage Administration:

Fo Generation Rats:

Dosage Group	Target Dosage (mg/kg/day)	Concentration (µg/mL)	Number of Fo Generation Female Rats
1	0 (Carrier)	0	25
2	0.1	0.8	25
3	1.0	7.6	25
4	3.0	22.8	25
5	10.0	75.8	25

Initial test substance concentrations were calculated to deliver the target dosage based on average water consumption of 33 mL/rat/day (132 mL/kg/day) for a 250 g female rat. Concentrations were adjusted based on actual water consumption and body weight levels recorded the previous week, when necessary.

The following table presents the actual test substance concentrations offered to the Fo generation rats.

Actual Dosage Concentrations:

Actual Conc. (µg/mL)	0	0.8	7.6	22.8	75.8
Dates Used	9/30 - 10/13	9/30 - 10/13	9/30 - 10/13	9/30 - 10/13	9/30 - 10/13
Actual Conc. (µg/mL)	0	0.76	7.33	21.26	67.57
Dates Used	10/14 - 10/25	10/14 - 10/30	10/14 - 10/30	10/14 - 10/30	10/14 - 10/30
Actual Conc. (µg/mL)	0	0.58	5.80	17.4	58.0
Dates Used	10/22 - 11/2	10/22 - 11/2	10/22 - 11/2	10/22 - 11/2	10/22 - 11/2

Consumed Dosage Calculations:

The actual dosages (mg/kg/day) consumed were calculated using the body weight and water consumption data recorded for each rat, as follows:

1. The grams (g) of test solution consumed by each rat for each test period were divided by the number of days in the test period (average g/day).

2. The average g/day (Step 1) value was divided by the average kilogram (kg) body weight of each rat for the test period (average g/kg/day).

3. The average g/kg/day value (Step 2) of each rat for the test period was multiplied by the milligrams (mg) of ammonium perchlorate per gram (g) of test solution.

The test substance was considered 100% pure for the purpose of dosage calculations.

G.1.a. Rat Assigned Numbers

The rats were randomized into groups based on a computer-generated (weight-ordered) randomization procedure based on body weights recorded on DG 0. The following tables provide numbers for the Fo generation and F1 generation rats.

Fo Generation Rats:

Dosage Group	Fo Generation Female Rats Assigned Numbers
1	19503, 19505, 19508, 19513, 19519, 19520, 19523, 19526, 19530, 19549, 19556, 19558, 19561, 19563, 19565, 19571, 19580, 19582, 19585, 19608, 19610, 19611, 19614, 19621, 19625
2	19501, 19511, 19514, 19515, 19516, 19524, 19527, 19531, 19533, 19534, 19536, 19542, 19562, 19566, 19575, 19576, 19590, 19593, 19594, 19599, 19602, 19605, 19609, 19615, 19619
3	19504, 19509, 19510, 19518, 19521, 19535, 19538, 19539, 19547, 19550, 19555, 19567, 19568, 19578, 19579, 19584, 19586, 19587, 19588, 19589, 19592, 19596, 19597, 19603, 19616
4	19506, 19507, 19517, 19522, 19525, 19537, 19544, 19545, 19554, 19557, 19569, 19573, 19577, 19581, 19583, 19598, 19600, 19604, 19606, 19607, 19612, 19617, 19618, 19622, 19623
5	19502, 19512, 19528, 19529, 19532, 19540, 19541, 19543, 19546, 19548, 19551, 19552, 19553, 19559, 19560, 19564, 19570, 19572, 19574, 19591, 19595, 19601, 19613, 19620, 19624

F1 Generation Rats:

Maternal Dosage Group	Number of Rats Per Sex		F1 Generation Rats Assigned Numbers	
	Male	Female	Male Rats	Female Rats
1	80	80	1302, 1308, 1322, 1331, 1336, 1347, 1350, 1357, 1362, 1367, 1368, 1370, 1372, 1377, 1381, 1385, 1386, 1390, 1394, 1396, 1402, 1408, 1422, 1431, 1436, 1447, 1450, 1457, 1462, 1467, 1468, 1470, 1472, 1477, 1481, 1485, 1486, 1490, 1494, 1496, 1502, 1508, 1522, 1531, 1536, 1547, 1550, 1557, 1562, 1567, 1568, 1570, 1572, 1577, 1581, 1585, 1586, 1590, 1594, 1596, 2002, 2008, 2022, 2031, 2036, 2047, 2050, 2057, 2062, 2067, 2068, 2070, 2072, 2077, 2081, 2085, 2086, 2090, 2094, 2096	1602, 1608, 1622, 1631, 1636, 1647, 1650, 1657, 1662, 1667, 1668, 1670, 1672, 1677, 1681, 1685, 1686, 1690, 1694, 1696, 1702, 1708, 1722, 1731, 1736, 1747, 1750, 1757, 1762, 1767, 1768, 1770, 1772, 1777, 1781, 1785, 1786, 1790, 1794, 1796, 1802, 1808, 1822, 1831, 1836, 1847, 1850, 1857, 1862, 1867, 1868, 1870, 1872, 1877, 1881, 1885, 1886, 1890, 1894, 1896, 2102, 2108, 2122, 2131, 2136, 2147, 2150, 2157, 2162, 2167, 2168, 2170, 2172, 2177, 2181, 2185, 2186, 2190, 2194, 2196
2	78	80	1305, 1306, 1311, 1312, 1313, 1318, 1334, 1346, 1353, 1355, 1356, 1360, 1363, 1369, 1371, 1375, 1379, 1382, 1395, 1400, 1405, 1406, 1411, 1412, 1413, 1418, 1434, 1446, 1453, 1455, 1456, 1460, 1463, 1469, 1471, 1475, 1479, 1482, 1495, 1500, 1505, 1506, 1511, 1512, 1513, 1518, 1534, 1546, 1553, 1555, 1556, 1560, 1563, 1569, 1571, 1575, 1579, 1582, 1595, 1600, 2005, 2006, 2011, 2012, 2013, 2018, 2046, 2053, 2055, 2056, 2060, 2063, 2069, 2071, 2075, 2079, 2082, 2095	1605, 1606, 1611, 1612, 1613, 1618, 1634, 1646, 1653, 1655, 1656, 1660, 1663, 1669, 1671, 1675, 1679, 1682, 1695, 1700, 1705, 1706, 1711, 1712, 1713, 1718, 1734, 1746, 1753, 1755, 1756, 1760, 1763, 1769, 1771, 1775, 1779, 1782, 1795, 1800, 1805, 1806, 1811, 1812, 1813, 1818, 1834, 1846, 1853, 1855, 1856, 1860, 1863, 1869, 1871, 1875, 1879, 1882, 1895, 1900, 2105, 2106, 2111, 2112, 2113, 2118, 2134, 2146, 2153, 2155, 2156, 2160, 2163, 2169, 2171, 2175, 2179, 2182, 2195, 2200
3	79	80	1303, 1304, 1309, 1315, 1316, 1317, 1321, 1325, 1330, 1335, 1342, 1344, 1349, 1354, 1358, 1361, 1380, 1391, 1392, 1399, 1403, 1404, 1409, 1415, 1416, 1417, 1421, 1425, 1430, 1435, 1442, 1444, 1449, 1454, 1458, 1461, 1480, 1491, 1492, 1499, 1503, 1504, 1509, 1515, 1516, 1517, 1521, 1525, 1530, 1535, 1542, 1544, 1549, 1554, 1558, 1561, 1580, 1591, 1592, 1599, 2003, 2004, 2015, 2016, 2017, 2021, 2025, 2030, 2035, 2042, 2044, 2049, 2054, 2058, 2061, 2080, 2091, 2092, 2099	1603, 1604, 1609, 1615, 1616, 1617, 1621, 1625, 1630, 1635, 1642, 1644, 1649, 1654, 1658, 1661, 1680, 1691, 1692, 1699, 1703, 1704, 1709, 1715, 1716, 1717, 1721, 1725, 1730, 1735, 1742, 1744, 1749, 1754, 1758, 1761, 1780, 1791, 1792, 1799, 1803, 1804, 1809, 1815, 1816, 1817, 1821, 1825, 1830, 1835, 1842, 1844, 1849, 1854, 1858, 1861, 1880, 1891, 1892, 1899, 2103, 2104, 2109, 2115, 2116, 2117, 2121, 2125, 2130, 2135, 2142, 2144, 2149, 2154, 2158, 2161, 2180, 2191, 2192, 2199

Maternal Dosage Group	Number of Rats Per Sex Male	Female	F1 Generation Assigned Numbers	
			Male Rats	Female Rats
4	80	80	1301, 1307, 1314, 1319, 1326, 1329, 1332, 1333, 1338, 1339, 1345, 1351, 1359, 1364, 1365, 1374, 1376, 1383, 1387, 1397, 1401, 1407, 1414, 1419, 1426, 1429, 1432, 1433, 1438, 1439, 1445, 1451, 1459, 1464, 1465, 1474, 1476, 1483, 1487, 1497, 1501, 1507, 1514, 1519, 1526, 1529, 1532, 1533, 1538, 1539, 1545, 1551, 1559, 1564, 1565, 1574, 1576, 1583, 1587, 1597, 2001, 2007, 2014, 2019, 2026, 2029, 2032, 2033, 2038, 2039, 2045, 2051, 2059, 2064, 2065, 2074, 2076, 2083, 2087, 2097	1601, 1607, 1614, 1619, 1626, 1629, 1632, 1633, 1638, 1639, 1645, 1651, 1659, 1664, 1665, 1674, 1676, 1683, 1687, 1697, 1701, 1707, 1714, 1719, 1726, 1729, 1732, 1733, 1738, 1739, 1745, 1751, 1759, 1764, 1765, 1774, 1776, 1783, 1787, 1797, 1801, 1807, 1814, 1819. 1826, 1829, 1832, 1833, 1838, 1839, 1845, 1851, 1859, 1864, 1865, 1874, 1876, 1883, 1887, 1897, 2101, 2107, 2114, 2119, 2126, 2129, 2132, 2133, 2138, 2139, 2145, 2151, 2159, 2164, 2165, 2174, 2176, 2183, 2187, 2197
5	80	80	1310, 1320, 1323, 1324, 1327, 1328, 1337, 1340, 1341, 1343, 1348, 1352, 1366, 1373, 1378, 1384, 1388, 1389, 1393, 1398, 1410, 1420, 1423, 1424, 1427, 1428, 1437, 1440, 1441, 1443, 1448, 1452, 1466, 1473, 1478, 1484, 1488, 1489, 1493, 1498, 1510, 1520, 1523, 1524, 1527, 1528, 1537, 1540, 1541, 1543, 1548, 1552, 1566, 1573, 1578, 1584, 1588, 1589, 1593, 1598, 2010, 2020, 2023, 2024, 2027, 2028, 2037, 2040, 2041, 2043, 2048, 2052, 2066, 2073, 2078, 2084, 2088, 2089, 2093, 2098	1610, 1620, 1623, 1624, 1627, 1628, 1637, 1640, 1641, 1643, 1648, 1652, 1666, 1673, 1678, 1684, 1688, 1689, 1693, 1698, 1710, 1720, 1723, 1724, 1727, 1728, 1737, 1740, 1741, 1743, 1748, 1752, 1766, 1773, 1778, 1784, 1788, 1789, 1793, 1798, 1810, 1820, 1823, 1824, 1827, 1828, 1837, 1840, 1841, 1843, 1848, 1852, 1866, 1873, 1878, 1884, 1888, 1889, 1893, 1898, 2110, 2120, 2123, 2124, 2127, 2128, 2137, 2140, 2141, 2143, 2148, 2152, 2166, 2173, 2178, 2184, 2188, 2189, 2193, 2198

G.2. Rationale for Dosage Selection:

Dosages were selected by the Sponsor after peer review of protocols by an expert panel.

G.3. Route of Administration:

Oral (drinking water)

G.4. Rationale for Route of Administration:

The oral (drinking water) route was selected for use because it is the most likely route of human exposure.

G.5. Frequency of Administration:

Fo Generation Rats:

A carrier control and four test substance concentrations were given to the rats. Female rats were given continual access to the test substance in the drinking

water beginning on DG 0 and continuing through DG 31 (rats that did not deliver a litter) or through DL10 (dams that did deliver a litter). Rats were dosed for a longer period than recommended in the EPA guidelines in order to ensure that the dams had achieved a hypothyroid condition.

A constant concentration (%) of the test substance, calculated to deliver the target dosage, was offered to the female rats in the drinking water. The actual dosages in mg/kg/day consumed were calculated for periods corresponding to body weight and water consumption observations. Concentrations were adjusted based on body weight and water consumption observations, to more closely achieve the target dosage levels.

F1 Generation Pups/Rats:

F1 generation pups/rats were not directly given the test substance but may have been possibly exposed to the test substance during maternal gestation (*in utero* exposure) or via maternal milk during the lactation period.

G.6. Length of Study:

Approximately 4 months

G.7. Method of Study Performance:

Fo Generation Rats:

After acclimation, 175 virgin female rats were cohabited with breeder male rats (one male rat per female rat in the male rat's cage). The cohabitation period consisted of a maximum of seven days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ* were considered to be at DG 0 and assigned to individual housing.

All rats were observed for viability at least twice daily during the study and for general appearance at least weekly during the pre-exposure period and on DG 0. An individual unaware of each rat's dosage group examined the rats for signs of autonomic dysfunction[a], abnormal postures, abnormal movements or abnormal behavior patterns, and unusual appearance daily beginning on DG 0. These observations were made at approximately the same time each day. Maternal behavior of the dams was evaluated daily when the pups were examined during the 22-day postpartum observation period. Observed normal

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a. The autonomic dysfunction evaluation consisted of an assessment of lacrimation, salivation, palpebral closure, prominence of the eye, piloerection, respiration, urination and defecation.

maternal behavior was recorded on DLs 1(birth), 5, 8, 14 and 22[a]. Variations from expected maternal behavior were recorded, if and when present, on all other days of the postpartum period.

Body weights were recorded at least weekly during the pre-exposure period, on DG 0, daily during the exposure and post-exposure periods and on the day sacrificed. Feed consumption values were recorded daily during the exposure and post-exposure periods beginning on DG 0. Water consumption values were recorded daily beginning on DG 0 and continuing until DG 31 or DL 10.

The female rats were evaluated for duration of gestation (DG 0 to the time the first pup was delivered), litter sizes and pup viability at birth.

F1 Generation Pups/Rats:

Pups that either appeared stillborn or that died before initial examination of the litters for viability were examined for vital status at birth by removing the lungs and immersing them in water. Pups with lungs that sank were considered stillborn; pups with lungs that floated were considered liveborn and to have died shortly after birth.

Pups were observed for viability at birth by removing the lungs and immersing them in water, as previously described, and at least twice daily during the preweaning and postweaning periods. The pups in each litter were counted once daily. Clinical observations were recorded daily during the preweaning and postweaning periods. An individual unaware of the maternal dosage group examined the rats on the days they were weighed or handled for behavioral testing; the rats were examined for signs of autonomic dysfunction[b], abnormal postures, movements or behavior patterns, and unusual appearance, to the extent that these evaluations could be made at each age.

Body weights were recorded on DPs 1, 5, 8, 12, 14, 18 and 22, and weekly during postweaning. Feed consumption values were recorded weekly during postweaning.

Female pups were evaluated for the age of vaginal patency beginning on DP 28. Male pups were evaluated for the age of preputial separation beginning on DP 39[c].

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a. See APPENDIX I, item 2.
b. The autonomic dysfunction evaluation consisted of an assessment of lacrimation, salivation, palpebral closure, prominence of the eye, piloerection, respiration, urination and defecation.
c. See APPENDIX I, item 3.

Order in Which Rats/Pups per Litter per Dosage Group were selected	Subset Number	Observations for Selected Rats/Pups	Day of Sacrifice (Following Last Observation or Evaluation)
1st male pup and 1st female pup	1	One male pup and one female pup per litter per dosage group, when possible (total of 97 male pups and 100 female pups) were randomly assigned to Subset 1. All pups were selected for fixed brain weights. On DP 12, six male pups and six female pups per dosage group were subsequently selected for neurohistological examination (total of 30 male and 30 female pups).	DP 12
2nd male pup and 2nd female pup	2	One male pup and one female pup per litter per dosage group (total of 100 male pups and 100 female pups) were randomly assigned to Subset 2. On DPs 23 to 25 and 30 to 32, rats were tested for passive avoidance. On DPs 59 to 63 and 66 to 70, rats were tested in a watermaze. One rat per sex per litter was bled at sacrifice via the inferior vena cava.	DPs 90 to 92
3rd male pup and 3rd female pup	3	One male pup and one female pup per litter per dosage group (total of 100 male and 100 female pups selected were randomly assigned to Subset 3. These pups were tested for motor activity on DPs 14, 18, 22 and 59 and auditory startle habituation on DPs 23 and 60.	DPs 67 to 69
4th male pup and 4th female pup	4	One male pup and one female pup per litter per dosage group, when possible (total of 100 male pups and 100 female pups) were randomly assigned to Subset 4. Six male rats and six female rats per dosage group were randomly selected for regional brain weights on DPs 81 to 86 (total of 30 male and 30 female rats). Another six male and six female rats were randomly selected from the remaining rats for neurohistological examination on DPs 82 to 85 (total of 30 male and 30 female rats).	DPs 80 to 86

G.7.b.(1) Subset 1:

One hundred and ninety-seven (97 male and 100 female) pups were assigned to Subset 1 on DP 12, for fixed brain weights. Of these pups, six male and six

female pups per dosage group were subsequently selected for neurohistological examination. The remaining 12 to 14 male and 14 female pups per dosage group were necropsied for gross lesions.

G.7.b.(2) Subset 2:

Two hundred (100 male and 100 female) pups were assigned to Subset 2.

Beginning on DPs 23 to 25, learning, short-term retention, long-term retention and hyperactivity were examined in a passive avoidance test. All pups in Subset 2 were tested.

The passive avoidance apparatus consisted of a two-compartment chamber with hinged Plexiglas® lids. One compartment was fitted with a bright light and Plexiglas® floor. The other compartment was fitted with a grid floor to which a brief (1 sec) pulse of mild electric current (1 mA) was delivered. The two compartments were separated by a sliding door. On each test trial, the rat was placed into the "bright" compartment, the sliding door was opened and the light was turned on. The rat was allowed to explore the apparatus until it entered the "dark" compartment. The sliding door was then immediately closed, the light was turned off and the brief pulse of current was delivered to the grid floor. The rat was then removed from the apparatus and placed into a holding cage for 30 seconds before the start of the next trial. Trials were repeated until the rat remained in the "bright" compartment for 60 seconds on two consecutive trials (the criterion for learning) or until 15 trials had been completed. The latency to enter the dark compartment or the maximum 60-second interval was recorded for each trial.

Each rat was tested twice. The test sessions were separated by a one-week interval, and the criterion was the same for both days of testing.

Dosage groups were compared for the following dependent measures:

The number of trials to the criterion in the first session--this measure was used to compare groups for overall learning performance.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the first test session--this measure was used to compare groups for activity levels and exploratory tendencies in a novel environment.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 2 in the first test session--this measure was used to compare groups for short-term retention.

The number of trials to the criterion in the second test session--this measure was used to compare groups for long-term retention.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the second session--this value was another indication of long-term retention.

Beginning DPs 59 to 63, all rats in Subset 2 were evaluated in a water-filled M-maze for overt coordination, swimming ability, learning and memory.

Each rat was tested in a watertight 16-gauge stainless-steel modified M-maze. The maze was filled with water to a depth of approximately nine inches, and the water was monitored for temperature (range of 21°C ± 1°C).

On each test trial, the rat was placed into the starting position (base of the M-maze stem farthest from the two arms) and required to swim to one of the two goals of the M-maze, in order to be removed from the water. On the first trial, the rat was required to enter both arms of the maze before being removed from the water. The initial arm chosen on trial 1 was designated the incorrect goal during the remaining trials. Rats that failed to make a correct goal choice within 60 seconds in any given trial were guided to the correct goal and were then removed from the water. A 15-second intertrial interval separated each trial. Each rat was required to reach a criterion of five consecutive errorless trials to terminate the test session. The maximum number of trials in any test session was 15. Latency (measured in seconds) to choose the correct goal or the maximum 60-second interval was recorded for each trial, as was the number of errors (incorrect turns in the maze) during each trial.

Each rat was tested twice. The test sessions were separated by a one-week interval, and the correct goal and the criterion were the same for both test sessions. Dosage groups were compared for the following dependent measures:

The number of trials to criterion on the first day of testing--this measure was used to compare groups for overall learning performance.

The average number of errors (incorrect turns in the maze) for each trial on the first day of testing--this measure was also used to compare groups for overall learning performance.

The latency (in seconds) to reach the correct goal on trial 2 of the first day of testing--this measure was used to compare groups for short-term retention.

The number of trials to criterion on the second day of testing--this

measure was used to compare groups for long-term retention.

The average number of errors for each trial on the second day of testing--this measure was also used to compare groups for long-term retention.

The latency (in seconds) to reach the correct goal on trial 1 of day 2 of testing--this was another indicator of long-term retention.

G.7.b.(3) Subset 3:

Two hundred (100 male and 100 female) pups were assigned to Subset 3.

Motor activity was evaluated on DPs 14, 18, 22 and 59. All rats in Subset 3 were examined throughout the four testing periods.

The movements of each pup were monitored by a passive infrared sensor mounted outside a stainless-steel wire-bottomed cage (40.6 x 25.4 x 17.8 cm). During preweaning sessions each pup was tested on solid flooring. Each test session was 1.5 hours in duration with the number of movements and time spent in movement tabulated at each five-minute interval. The apparatus monitored a rack of up to 32 cages and sensors during each session, with each rat tested in the same location on the rack across test sessions. Groups were counterbalanced (sex, dosage group) across testing sessions and cages.

Data demonstrating that the test system is capable of detecting increases or decreases in activity produced by the positive control substances is available in APPENDIX L (TESTING FACILITY POSITIVE CONTROL DATA). The calibration procedure for the motor activity equipment is performed at least semiannually.

Auditory startle habituation was evaluated on DPs 23 and 60. All pups in Subset 3 were tested on both days for their reactivity to auditory stimuli and habituation of responses with repeated presentation of stimuli.

The rats were tested in sets of four within a sound-attenuated chamber. Each rat was placed inside a small cage situated above a platform containing a force transducer in its base. A microcomputer sampled the output of the force transducer and controlled the test session. The rats were initially given an adaptation period of five minutes. During the last minute of this period, ten "blank" trials were given to sample the baseline force in the absence of a stimulus. The rats were then presented with 20 msec, 120 dBA bursts of noise at ten-second intervals for 50 trials. An additional ten "blank" trials followed. The peak amplitude of each response was recorded and the average response on baseline trials subtracted to calculate the response magnitude. The average response magnitude and the pattern of responses over ten trial blocks were

compared among the dosage groups. The calibration of auditory signals was performed prior to the start of the study.

G.7.b.(4) Subset 4:

Two hundred (100 male and 100 female) pups were assigned to Subset 4. Of these pups, six male and six female rats were subsequently selected for regional brain weights on DPs 81 to 86. Of the remaining rats, an additional six male and six female rats were randomly selected for neurohistological examination on DPs 82 to 85.

H. Necropsy[a]:

All rats and pups were sacrificed by carbon dioxide asphyxiation, except rats in Subset 4 assigned to neurohistological examination. These rats were administered a combination of heparin and pentabarbitol and perfused *in situ* with neutral buffered 10% formalin.

H.1. Fo Generation Female Rats:

Thyroids from all Fo generation rats were excised and retained in neutral buffered 10% formalin. The same designated technician, where possible, trimmed and weighed the thyroids at least 48 hours postfixation.

Histological examination was performed on all gross lesions and thyroids. Tissues were shipped (ambient conditions) to W. Ray Brown, D.V.M., Ph.D., ACVP, Veterinary Pathologist, Research Pathology Services, Inc., New Britain, Pennsylvania.

Rats that died or were sacrificed because of moribund condition were examined for the cause of death or moribund condition on the day the observation was made. The rats were examined for gross lesions. Pregnancy status and uterine contents of female rats were recorded. Uteri of apparently nonpregnant rats were stained with 10% ammonium sulfide to confirm the absence of implantation sites[5]. Rats that did not deliver a litter were sacrificed on DG 31 and examined for gross lesions. Uteri were stained with 10% ammonium sulfide to confirm the absence of implantation sites[5].

Dams that delivered a litter selected for continued observation were sacrificed on

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a. A table of random units was used to select one control group rat of the Fo generation and one control group rat of each sex of the F1 generation from which all tissues examined at necropsy were retained, in order to provide control tissues for any possible histopathological evaluations of gross lesions.

DL 22. A gross necropsy of the thoracic, abdominal and pelvic viscera was performed; the number and distribution of implantation sites were recorded.

Dams with no surviving pups and dams with less than 8 pups per litter were sacrificed on DL 10 (rats selected for assessment of thyroid parameters) or after the last pup was found dead or missing, presumed cannibalized. A gross necropsy of the thoracic, abdominal and pelvic viscera was performed. Up to five rats per dosage group were selected for assessment of thyroid parameters[a] based on the prioritized criteria previously described.

Up to five rats per dosage group were selected for assessment of thyroid parameters, including TSH, T3, T4, thyroid weight and thyroid histopathology. These rats were selected based on the following prioritized criteria: 1) rats that failed to deliver a litter; 2) dams with litters less than 8 pups; or 3) table of random units should the first two options fail to provide five dams per dosage group. Whole blood samples were taken at scheduled sacrifice via the inferior vena cava. Blood was collected into serum separator tubes and centrifuged. The resulting sera samples were aliquotted into three separate vials (approximately 500 µL of sera per aliquot), immediately frozen on dry ice and maintained frozen (-70°C) at the Testing Facility until shipment to the Sponsor for analysis (results of these analyses are available in APPENDIX M). A gross necropsy of the thoracic, abdominal and pelvic viscera was performed; the number and distribution of implantation sites were recorded. The thyroid was excised and weighed.

H.2. F1 Generation Pups/Rats[b]:

Pups that died before examination of the litter for pup viability were evaluated for vital status at birth, as previously described. Pups with gross lesions were preserved in Bouin's solution for possible future evaluation.

Pups found dead or sacrificed because of moribundity were examined for gross lesions and for the cause of death or the moribund condition, if not precluded by autolysis. Pups with gross lesions found on DPs 2 to 5 were preserved in Bouin's solution for possible future evaluation; gross lesions of pups found on DPs 6 to 22 were preserved in neutral buffered 10% formalin.

On DP 5, all pups selected to standardize the litter were sacrificed and necropsied. Pups with gross lesions were preserved in Bouin's solution. Pups were bled via the inferior vena cava. Whole blood samples, pooled by litter, were collected into serum separator tubes and centrifuged. The resulting sera

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a. Two groups had a total number of less than five dams; three groups had five dams.
b. See APPENDIX I, item 4.

samples were aliquotted into three separate vials (approximately 500 µL of sera per aliquot), immediately frozen on dry ice and shipped to the Sponsor for analysis of TSH, T3 and T4 parameters.

Thyroids of the culled pups were fixed *in situ* by placing the undamaged trachea and larynx in neutral buffered 10% formalin. Tissues were sent to Dr. Darol E. Dodd, Director, Toxic Hazards Research, ManTech Environmental Technology, Wright-Patterson Air Force Base, Ohio, for analysis.

F1 generation pups from the dams selected for thyroid hormone analyses on DP 10 were sacrificed and examined for gross lesions.

The F1 generation pups selected for continued observation were sacrificed after completion of all the postweaning behavioral evaluations (Subset 1-DP 12; Subset 2-DPs 90 to 92; Subset 3-DPs 67-69; Subset 4-DPs 80-86). All pups were necropsied and gross lesions were retained in neutral buffered 10% formalin.

Thyroids of all F1 generation rats were fixed *in situ* by placing the undamaged trachea and larynx) in neutral buffered 10% formalin. Specimens were sent to the Sponsor for possible analysis.

One F1 generation rat per sex per litter per dosage group from Subset 2 was bled at sacrifice via the inferior vena cava. Individual whole blood samples were collected into serum separator tubes and centrifuged. The resulting sera samples were aliquotted into three separate vials (approximately 500 µL of sera per aliquot), immediately frozen on dry ice and shipped to the Sponsor for analysis of TSH, T3 and T4 parameters.

Pups selected for brain weight determination and neurohistological evaluation (pups in Subset 1 on DP 12 and rats in Subset 4 on DPs 82 to 85) were sacrificed and processed for shipment to Robert H. Garman, D.V.M., Diplomate, CVP, Consultants in Veterinary Pathology, Monroeville, Pennsylvania. All rats were examined for gross lesions.

Pups in Subset 1 were sacrificed and calvaria was removed and the head immersed in neutral buffered 10% formalin. The brains of those pups were sent to CVP for processing and evaluation.

Rats in Subset 4 selected for regional brain weights were sacrificed by carbon dioxide asphyxiation. The brain was removed, blotted, chilled and weighed. After the whole brain weight was recorded the brain was placed on an ice-chilled plate and further dissected. The rhombencephalon was separated by a transverse section and the cerebellum isolated from the medulla oblongata/pons. A transverse section was made at the level of the optic chiasma, passing through the anterior commissure. The cortex and hippocampus was peeled from the

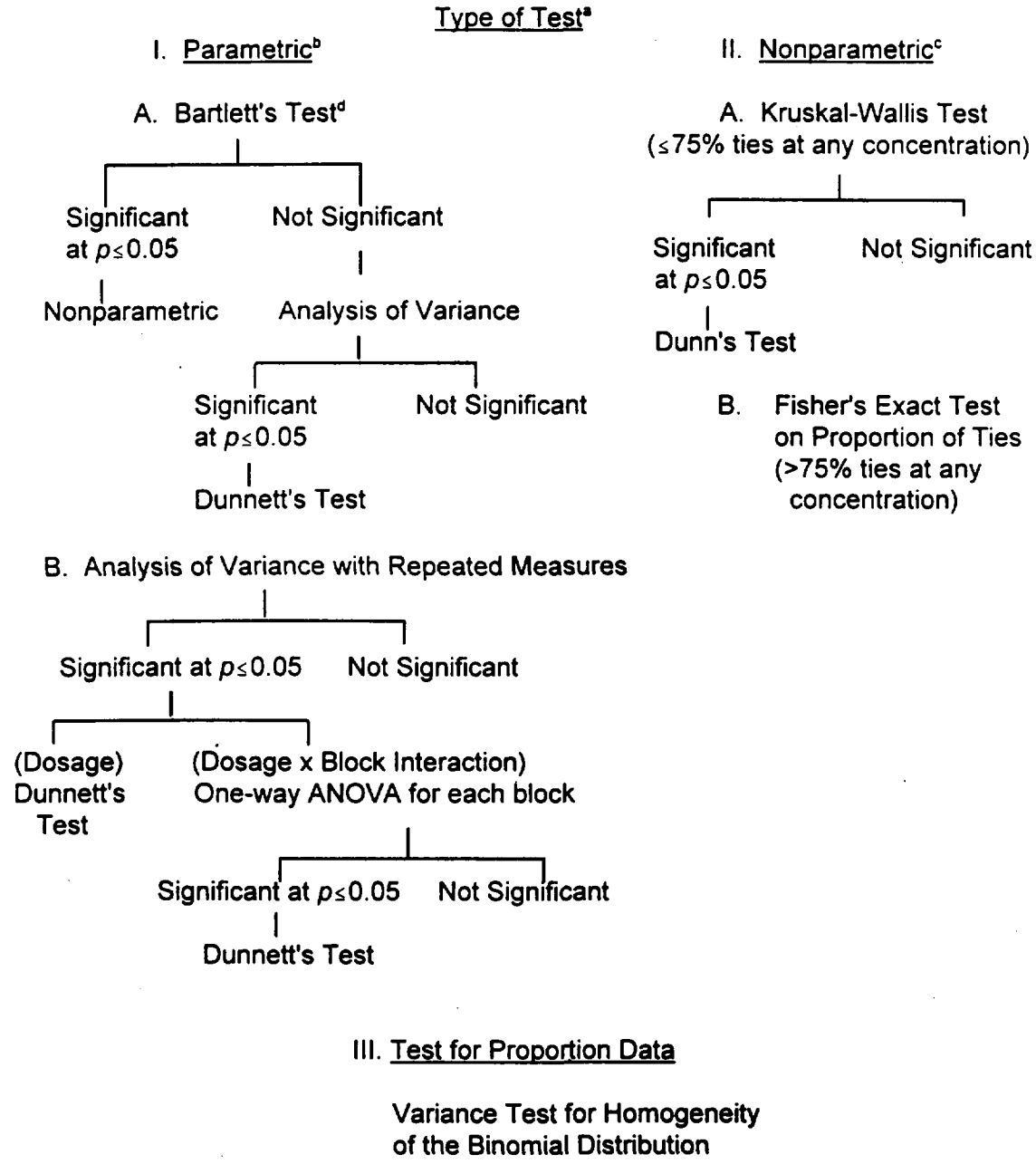
posterior section (diencephalon/mesencephalon) and added to the anterior section (telencephalon). The four section (telencephalon, diencephalon/ mesencephalon, medulla oblongata/pons and cerebellum) were then weighed. A necropsy was conducted, and tissues with gross lesions were preserved in neutral buffered 10% formalin.

Rats selected for neurohistological evaluation were administered a combination of heparin and pentabarbitol and perfused *in situ* with neutral buffered 10% formalin. A necropsy was conducted, and tissues with gross lesions were preserved in neutral buffered 10% formalin. The calvaria was removed and the head immersed in the fixative. The remaining rats in Subset 4 were sacrificed and examined for gross lesions.

All control and high dosage group rats selected for neurohistological examination were evaluated. Tissues were shipped (ambient conditions) to Robert H. Garman, D.V.M. Diplomate, ACVP, Consultants in Veterinary Pathology, Monroeville, PA. Gross lesions from all pups were examined histologically by W. Ray Brown, D.V.M., Ph.D., ACVP, Veterinary Pathologist, Research Pathology Services, Inc., 438 E. Butler Avenue, New Britain, Pennsylvania.

J. Statistical Analysis:

The following schematic represents the statistical analyses of the data:



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a. Statistically significant probabilities are reported as either $p \leq 0.05$ or $p \leq 0.01$.
b. Used only to analyze data with homogeneity of variance.
c. Proportion data are not included in this category.
d. Test for homogeneity of variance.

Adult data were evaluated with the individual rat as the unit measured. Litter values were used in evaluation of pup data, as appropriate.

Variables with interval or ratio scales of measurement, such as body weights, feed consumption values, latency and errors per trial scores in behavioral tests and percent mortality per litter were analyzed as described under the Parametric heading of the schematic. Bartlett's Test of Homogeneity of Variances[6] was used to estimate the probability that the dosage groups have different variances. A nonsignificant result ($p>0.05$) indicated that an assumption of homogeneity of variance was not inappropriate, and the data were compared using the Analysis of Variance Test[7]. If that test was significant ($p\leq 0.05$), the groups given the test substance were compared with the control group using Dunnett's Test[8]. If Bartlett's Test was significant ($p\leq 0.05$), the Analysis of Variance Test was not appropriate, and the data were analyzed as described under the Nonparametric heading of the schematic. When 75% or fewer of the scores in all the groups were tied, the Kruskal-Wallis Test[9] was used to analyze the data, and in the event of a significant result ($p\leq 0.05$), Dunn's Test[10] was used to compare the groups given the test substance with the control group. When more than 75% of the scores in any dosage group were tied, Fisher's Exact Test[11] was used to compare the proportion of ties in the dosage groups.

Data from the motor activity and auditory startle habituation tests, with measurements recorded at intervals (Blocks) throughout each test session, were analyzed using an Analysis of Variance with Repeated Measures[12], as described under that heading in the schematic. A significant result ($p\leq 0.05$) in that test could have appeared as effect of Dosage (differences among dosage groups in the totals of all measurements in a session) or as an interaction between Dosage and Block (differences in the patterns of dosage group values across the measurement periods). If the Dosage effect was significant, the totals for the control group and the groups given the test substance was compared using Dunnett's test[8]. If the Dosage x Block interaction was significant, an Analysis of Variance Test[7] was used to evaluate the data at each measurement period, and a significant result ($p\leq 0.05$) was followed by a comparison of the dosage groups using Dunnett's test[8].

Variables that had graded or count scores, such as litter size, the number of trials to a criterion in a behavioral test or the day a developmental landmark appears, were analyzed using the procedures described under the Nonparametric heading of the schematic.

Clinical observation incidence data, as well as other proportion data, were analyzed as contingency tables using the Variance Test for Homogeneity of the Binomial Distribution[13].

III. RESULTS - Fo GENERATION FEMALE RATS

A. Analyses of Test Substance Solutions (APPENDIX J)

Stability and concentration verification of the ammonium perchlorate dosing solutions was performed. Ion chromatographic (IC) analysis of the solutions showed that under controlled room temperature, relative humidity and light intensity, ammonium perchlorate is stable in reagent water through 109 days. The concentrations of the ammonium perchlorate dosing solutions (0.05 to 200 µg/mL) were verified by IC analysis to be within an acceptable range of +/-10%.

B. Consumed Dosages - Fo Generation Female Rats (Summary - Table B1)

The average actual consumed daily dosages for female rats for the entire gestation period (calculated as days 0 to 21 of gestation) were 0, 0.1, 1.1, 3.5 and 11.6 mg/kg/day for the 0 (Carrier), 0.1, 1.0, 3.0 and 10.0 mg/kg/day target dosages, or 100%, 100%, 110%, 117% and 116% of target, respectively. The average actual consumed daily dosages for female rats during the lactation period (calculated as days 1 to 10 of lactation) were 0, 0.2, 1.6, 4.7 and 15.4 mg/kg/day for the 0 (Carrier), 0.1 1.0, 3.0 and 10.0 mg/kg/day target dosages, or 100%, 200%, 160%, 157% and 154% of target, respectively.

C. Mortality, Clinical and Necropsy Observations - Fo Generation Female Rats (Summaries - Tables B2 and B18; Individual Data - Tables B21 and B33)

C.1. Mortality

No Fo generation deaths related to the test substance occurred. One 0 (Carrier) mg/kg/day target dosage group dam and one dam in the 1.0 mg/kg/day target dosage group died during delivery and one 0 (Carrier) mg/kg/day target dosage group dam was sacrificed on day 1 of lactation (DL 1) due to a prolapsed uterus.

Control group dam 19503 had no adverse clinical observations before being found dead the morning of gestation day 22 (DG 22); this rat delivered 3 pups and had 12 live fetuses *in utero*. Body weight gains and water and feed consumption were normal throughout gestation. All tissues appeared normal at necropsy.

Dam 19550 in the 1.0 mg/kg/day target dosage group had no adverse clinical observations before being found dead the morning of DG 22; this rat delivered 7 pups and had 8 dead fetuses *in utero*. Body weight gains and water and feed

consumption were normal throughout gestation. Necropsy revealed the stomach and cecum distended with gas.

Control group dam 19563 had no adverse clinical observations before being found with a portion of the left uterine horn visible exterior to the vagina on DL 1; this rat delivered 15 pups and had one dead fetus *in utero*. Body weight gains and water and feed consumption were normal throughout gestation. All other tissues appeared normal at necropsy.

C.2. Clinical Observations

No clinical observations or observations of autonomic dysfunction that occurred during the gestation or lactation periods were considered related to the test substance because the incidences were not dosage-dependent and/or the observation commonly occurs in this strain of rat. These observations included hyperreactivity (response to being handled), localized alopecia, repetitive sniffing, straub tail, chromodacryorrhea, chromorhinorrhea, hyperactivity, a neck lesion, tail sheath missing, and a prolapsed uterus.

C.3. Necropsy Observations

No necropsy observations were considered related to the test substance because the incidences were not dosage-dependent and/or the observation commonly occurs in this strain of rat. These observations included the stomach and cecum distended with gas; enlarged and mottled liver; moderate hydrometra; prolapsed uterus; and protrusion of the right and median lobes of the liver through the diaphragm.

D. Maternal Body Weights and Body Weight Changes - Fo Generation Female Rats (Figure 1; Summaries - Tables B3 through B6; Individual Data - Tables B22 and B23)

Average body weights and body weight changes for Fo generation dams were comparable among the five groups for all days of gestation and lactation. Body weight gains remained comparable among the dosage groups during the postexposure period (DLs 11 to 22). Statistical analyses indicated no differences among the groups ($p>0.05$).

E. Absolute (g/day) and Relative (g/kg/day) Water Consumption - Fo Generation Female Rats (Summaries - Tables B7 through B10; Individual Data - Tables B24 and B25)

Absolute (g/day) and relative (g/kg/day) water consumption values were comparable among the five groups during each tabulated interval of the

gestation and lactation periods. Statistical analyses indicated no differences among the groups ($p>0.05$).

F. **Absolute (g/day) and Relative (g/kg/day) Feed Consumption - Fo Generation Female Rats (Summaries - Tables B11 through B14; Individual Data - Tables B26 and B27)**

Absolute (g/day) and relative (g/kg/day) feed consumption values were comparable among the five groups during each tabulated interval of the gestation and lactation periods. Statistical analyses indicated no differences among the groups ($p>0.05$).

G. **Natural Delivery and Litter Observations - Fo Generation Dams and Litters (Summaries - Tables B15 through B17 and B20; Individual Data - Tables B28 through B32 and B35)**

There were 22 to 25 pregnant Fo generation dams in each dosage group. One dam in each of the control and 1.0 mg/kg/day target dosage group died during delivery, as previously described. All other pregnant dams delivered litters. Control group dam 19563 was moribund sacrifice because of a prolapsed uterus after partial delivery of a litter, as previously described. The gestation index (number of rats with live offspring per number of pregnant rats) was comparable among the five target dosage groups and did not significantly differ.

Exposure to the test substance at dosages as high as 10.0 mg/kg/day did not adversely affect any parameter evaluated at natural delivery or during the 22-day lactation period. Litter averages for implantation sites per delivered litter, total pups delivered, and the total number of pups in which viability could not be determined because of cannibalization were significantly increased ($p\leq0.05$ or $p\leq0.01$) in the 3.0 mg/kg/day target dosage group, compared to the control group. These findings were not considered related to the test substance because the values were not dosage-dependent.

The duration of gestation, the number of dams with stillborn pups and the number of dams with all pups dying were comparable and did not significantly differ among the five target dosage groups. Litter averages for stillbirths, postpartum pup deaths and the viability and lactation indices also were comparable and without significant differences.

Litter sizes at weighing, percent male pups per number of pups sexed per litter and pup body weights were comparable among the five groups throughout the lactation period. Statistical analyses indicated no differences among the groups ($p>0.05$).

All clinical and necropsy observations in the pups were considered unrelated to the test substance because they were not dosage-dependent and/or occurred in only one to two pups per dosage group. Transient, adverse clinical observations in the pups consisted of a lesion located on the right side or back of the left hindlimb, cold to touch, not properly groomed, amniotic sacs, placenta and umbilical cord not removed, nesting and nursing activity not normal, subcutaneous abscesses on the back and swollen right hindlimb. Persistent clinical observations consisted of umbilical hernia and black tip of tail.

The necropsy observation of congested thyroid in the 0.1 mg/kg/day target dosage group pups was significantly increased ($p \leq 0.01$), relative to the control group. This observation occurred in six pups from one litter culled on day 5 postpartum. This finding was not considered related to the test substance because the incidence was not dosage-dependent and occurred in only one litter. Necropsy observations for pups stillborn, found dead or moribund sacrificed included no milk in stomach, left kidney fused to right kidney and punctured right ventral thorax.

H. Terminal Body Weights, Thyroid Weights and Ratios (%) of Thyroid to Terminal Body Weights - Fo Generation Female Rats (Summaries - Tables B18 and B19; Individual Data - Tables B33 and B34)

Terminal body weights, absolute thyroid weights and the ratios of thyroid weight to terminal body weight of the Fo generation dams were comparable among the five target dosage groups and did not differ significantly ($p>0.05$). Terminal body weights were 100.6%, 103.0%, 101.1% and 102.5% of the control group value in the 0.1, 1.0, 3.0 and 10.0 mg/kg/day target dosage groups, respectively. Thyroid weights were 93.3%, 96.7%, 100% and 103.3% of the control group values in these same respective dosage groups.

I. Serum Thyroid Hormone Levels - Fo Generation Female Rats (APPENDIX M)

Serum samples collected from Fo generation dams on DG 31 or DL 10 were analyzed. All dosages of ammonium perchlorate increased TSH, T_3 and T_4 serum levels over the control group values. Serum TSH was statistically elevated ($p \leq 0.01$ or $p \leq 0.001$) for the 0.1, 3.0, and 10.0 mg/kg/day groups. The increase from the control values was 35.5%, 79.7% and 78.7%, respectively. No dosage-response was evident between the 3.0 and 10.0 mg/kg/day dosage groups. Serum T_4 values were greater than the control value in all groups exposed to the test substance, however only the 0.1 and 10.0 mg/kg/day dosage group values were statistically significant ($p \leq 0.001$ and $p \leq 0.05$, respectively). The values were 86.9%, 33.4% and 37.0% over the control group value in the 0.1, 3.0 and 10.0 mg/kg/day target dosage groups, respectively. Serum T_3 values were significantly increased ($p \leq 0.05$ or $p \leq 0.001$) over the control group

value in the 0.1, 3.0 and 10.0 mg/kg/day target dosage groups. The percent increase from the control values was 46.8%, 40.5%, and 97.5% respectively. Increased serum values of TSH indicated an effect on the thyroid by ammonium perchlorate. Serum levels of T_4 and T_3 were also increased but the changes were not consistent with a dose-response.

J. Thyroid Histopathology - Fo Generation Female Rats (APPENDIX N)

Table 1 in APPENDIX N includes all Fo generation female rats on study. Because these rats were sacrificed at two different time points, the data in Table 1 has been subdivided into the following two tables. Table 2 includes all animals dosed through DP 10 and then terminated on DP 22 (i.e., 12 days of recovery) and Table 3 includes the rats that were dosed through DP 10 or DG 31 and terminated that day (i.e., no recovery).

There were no treatment-related microscopic changes observed in the thyroid gland of the female Fo generation rats given any of the concentrations of ammonium perchlorate in the drinking water and sacrificed at either time point.

IV. RESULTS - FI GENERATION RATS

No gross lesions were found in the culled F1 generation pups sacrificed on DP 10.

A. F1 Generation Rats - Subsets 1, 2, 3 and 4

A.1. Mortality - Subsets 1, 2, 3 and 4 (Summaries - Tables C1 and C2; Individual Data - Tables C12 and C13)

A.1.a. Subset 1

All F1 generation male and female rats in Subset 1 survived to scheduled sacrifice on day 12 postpartum (DP 12).

A.1.b. Subset 2

One F1 generation male rat in the 10.0 mg/kg/day maternal dosage group and one F1 generation female rat in the 0.1 mg/kg/day maternal dosage group in Subset 2 died before study termination; neither death was considered treatment-related because no other rats in the 10.0 mg/kg/day dosage group died and the incidence of deaths in the 0.1 mg/kg/day dosage group was not dosage-dependent. All other rats in Subset 2 survived until scheduled sacrifice on DPs 90 to 92.

The male rat from the 10.0 mg/kg/day maternal dosage group (1341) died during watermaze testing on DP 68. This rat appeared normal and feed consumption and body weight gain was similar to other male rats in the same dosage group before death. A red and wet perioral and perinasal substance was observed at necropsy.

The female rat from the 0.1 mg/kg/day maternal dosage group (1700) was found dead on DP 67. Before death, this rat appeared normal. This rat tended to be one of the smallest rats in this dosage group, however feed consumption values were comparable to other rats in this dosage group. All tissues appeared normal at necropsy.

A.1.c. Subset 3

All F1 generation male and female rats in Subset 3 survived to scheduled sacrifice on DPs 67 to 69.

A.1.d. Subset 4

One F1 generation male rat and three female rats in the 0.1 mg/kg/day maternal dosage group from Subset 4 did not survive to scheduled sacrifice. These deaths were not considered related to the test substance because they were not dosage-dependent. All other rats in Subset 4 survived until scheduled sacrifice on DPs 80 to 86.

Male rat 1569 was found dead on DP 17; the degree of cannibalization precluded necropsy. This rat had no adverse clinical observations before death and gained weight from DPs 5 through 12 but lost 3 g of body weight on DP 14.

Female rat 1811 was found dead on DP 17; the degree of cannibalization precluded necropsy. This rat had no adverse clinical observations before death and gained weight from DPs 5 through 14.

Female rat 1895 was moribund sacrificed on DP 52. This rat had exophthalmos on DPs 30 to 52, a dark red right eye on DPs 44 to 52 and a traumatized cornea on DPs 51 and 52. This rat gained weight and feed consumption values were normal throughout the postpartum period. Observations of exophthalmos, dark red right eye and traumatized cornea were confirmed at necropsy, all other tissues appeared normal.

Female rat 1900 was moribund sacrificed on DP 24. This rat had clinical observations of subcutaneous abcesses (DPs 14 and 22), uncoordinated gait (DP 23), head tilt (DP 23), chest lesion (DPs 23 and 24), corneal opacity (DPs 23 and 24), and decreased motor activity, impaired righting reflex, cold to touch, dyspnea and rales (DP 24). This rat gained weight from DPs 5 through 22, but lost body weight (5 g) on DP 23. The chest lesion was confirmed at necropsy, all other tissues appeared normal.

A.2. Clinical Observations - Subsets 2, 3 and 4 (Summaries - Tables C1 and C2; Individual Data - Tables C12 and C13)

All clinical observations in the F1 generation male and female rats were considered unrelated to the test substance because they were not dosage-dependent; occurred in all dosage groups, including the control group; and/or occurred in only one or two rats in a dosage group.

Clinical observations in the male rats consisted of chromorhinorrhea, chromodacryorrhea, misaligned and/or missing/broken incisors, localized alopecia on the limbs or neck, dehydration, lesion located on the tail, head, back, neck or mouth, swollen snout, decreased motor activity, red and wet perinasal substance, gasping, tail bent, tip black or tip missing, umbilical hernia and urine-stained abdominal fur.

Clinical observations in the female rats consisted of chromodacryorrhea, misaligned and/or missing/broken incisors, chromorhinorrhea, localized alopecia on the limbs and/or neck, tail tip black or missing, lesion on the mouth, back or tail, swollen snout, microphthalmia, dilated pupils, excess salivation, exophthalmos, bent tail, decreased motor activity, labored breathing and red perioral substance. Observations of chest lesion, exophthalmos, dark red eye, corneal opacity, traumatized cornea, dyspnea, rales, decreased motor activity, impaired righting reflex, uncoordinated gait, head tilt, cold to touch and subcutaneous abcesses occurred for the two rats (1895 and 1900) in the 0.1 mg/kg/day maternal dosage group that were moribund sacrificed, as previously described.

The incidence of localized alopecia (total and limbs), tip of tail black and tip of tail missing were significantly increased ($p \leq 0.01$) in the 1.0 mg/kg/day maternal dosage group. Also, the incidence of localized alopecia (limbs) was significantly increased ($p \leq 0.05$) in the 3.0 mg/kg/day maternal dosage group. These significant increases were considered unrelated to the test substance because the values were not dosage-dependent. The incidence of misaligned incisors was significantly decreased ($p \leq 0.01$) in all groups that received the test substance; these decreases were considered unrelated to the test substance.

A.3. Body Weights and Body Weight Changes - Subsets 1, 2, 3 and 4 (Figures 3 and 4; Summaries - Tables C3 through C6; Individual Data - Tables C14 and C15)

Average body weights and body weight changes for F1 generation male and female rats were generally comparable among the five dosage groups throughout the postpartum period. Body weight gains for the tabulated intervals DPs 5 to 12 (includes rats Subsets 1 through 4), DPs 5 to 65 (Subsets 2, 3 and 4), DPs 5 to 79 (Subsets 2 and 4) and 5 to 86 (Subset 2 only) were comparable among the five dosage groups and did not significantly differ ($p>0.05$).

Average male and female body weight changes were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) on DPs 5 to 8 in the 0.1, 1.0 and 3.0 (male rats only) mg/kg/day maternal dosage groups. Body weight gains were significantly increased ($p \leq 0.05$ or $p \leq 0.01$) on DPs 14 to 18 and significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) on DPs 18 to 22 for both the male and female rats in the 3.0 mg/kg/day maternal dosage group. Additionally, male body weight gains were significantly reduced ($p \leq 0.05$) on DPs 5 to 22 in the 0.1 mg/kg/day maternal dosage group and female body weight gains were significantly increased ($p \leq 0.01$) on DPs 72 to 79 in the 10.0 mg/kg/day maternal dosage group. Average male and female body weights were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 3.0 mg/kg/day maternal dosage group on DPs 5 (female only) and 8 (male only), in the 1.0 mg/kg/day maternal dosage group on DPs 5, 8 and 12 (male only) and in the 0.1 mg/kg/day maternal dosage group on

DPs 5, 8, 12 (male only), 14, 18, 22 (male only) and 23 (male only). These significant changes were considered unrelated to the test substance because they were transient and not dosage-dependent.

A.4. Absolute (g/day) and Relative (g/kg/day) Feed Consumption - Subsets 2, 3 and 4 (Summaries - Tables C7 through C10; Individual Data - Tables C16 and C17)

Absolute (g/day) and relative (g/kg/day) feed consumption values for F1 generation male and female rats were comparable among the five groups throughout the postpartum period. Statistically significant increases ($p \leq 0.05$ or $p \leq 0.01$) in the feed consumption values that occurred for the female rats were considered unrelated to the test substance because they were transient and/or not dosage-dependent.

A.5. Sexual Maturation - Subsets 2, 3 and 4 (Summary - Table C11; Individual Data - Tables C18 and C19)

Target dosages as high as 10.0 mg/kg/day ammonium perchlorate administered to the Fo generation dams did not affect the day of vaginal patency or the day of preputial separation in the F1 generation rats. Statistical analyses indicated no differences among the groups ($p > 0.05$).

A.6. Thyroid Histopathology - F1 Generation Pups (APPENDIX O)

Thyroids from pups culled on DL 5 were examined microscopically. There was no significant follicular epithelial cell hypertrophy/hyperplasia or decrease in follicular size in the female pups ($p > 0.05$). In the male pups; however, there was a significant increase ($p \leq 0.05$) in hypertrophy/hyperplasia of follicular epithelium and a significant decrease ($p \leq 0.05$) in the follicle size of thyroids from 10.0 mg/kg/day dosage group, when compared with the controls. There was no statistical difference between males and females by dosage group for either finding. Incidence data were analyzed. The incidence of follicular cell hypertrophy/hyperplasia in males in the 10 mg/kg and 3 mg/kg groups compared to controls was significant at $p=0.0076$ and $p=0.0411$, respectively. All other comparisons of follicular cell hypertrophy/hyperplasia or follicular size were not significant.

Using a standard microscope ocular scale, the samples subjectively reviewed above were assessed quantitatively for the diameter of follicular lumens and the height of follicular epithelial cells. There was a dose-related decrease in follicular diameter for both sexes. For females, although there was an apparent dose response, there were no significant differences in follicle diameters across dose groups using Bonferroni's method for multiple comparisons. In the males, however, in addition to the clear dose response, there was a significant decrease

($p<0.05$) in the follicle diameters of the high dose group (10 mg/kg/day) vs. controls using the same method as noted above. There was no significant difference in follicular diameters in males and females within dose groups. There was a dose-related increase in follicular epithelial height demonstrated in males with a significant increase ($p<0.05$) in height noted in the 10 mg/kg/day dosage group when compared with the control and 0.1 mg/kg/day groups. In females, increases in epithelial height were minimal and statistically insignificant. There was no significant difference in follicular epithelial heights in males and females within dosage groups.

B. F1 Generation Rats - Subset 1

B.1. Necropsy Observations (Summary - Tables D1 and D2; Individual Data -Tables D5 and D6)

All F1 generation male and female pups in Subset 1 appeared normal at necropsy.

B.2. Terminal Body Weights, Brain Weights and Ratios (%) of Brain to Terminal Body Weights (Summaries - Tables D3 and D4; Individual Data -Tables D7 and D8)

The terminal body weights, brain weights and ratios of the brain weight to the terminal weight for F1 generation male and female pups in Subset 1 were comparable among the five dosage groups. Statistical analyses indicated no differences among the groups ($p>0.05$).

B.3. Neurohistological Evaluations - Postpartum Day 12 (APPENDIX P)

There were no treatment-related neuropathologic changes observed in the brains of the DP 12 male and female F1 generation pups in Subset 1. Brain weights were similar for the control group rats and those exposed *in utero* and during the neonatal period to ammonium perchlorate. Furthermore, no neuropathologic alterations were present within any of the 24 brains (6 per sex in each of the high dosage and control groups) examined microscopically. Although the mean value for the thickness of the corpus callosum of the day 12 high dosage group female rats was significantly greater ($p\leq0.01$) than that for the control group female rats, this difference is of unknown biological significance and is, furthermore, not suggestive of a neurotoxic effect. It is concluded that the high dosage of 10 mg/kg/day is a no-observable-effect level for neuropathologic alteration in juvenile rats exposed to ammonium perchlorate *in utero* and during the neonatal period under the conditions of this study.

C. F1 Generation Rats - Subset 2

C.1. Passive Avoidance Testing (Summary - Table E1; Individual Data - Tables E7 and E8)

There were no biologically important differences in the values for learning, short-term retention, long-term retention or response inhibition in the F1 generation male or female rats, as evaluated by performance in a passive avoidance paradigm. No statistically significant differences occurred in the F1 generation male or female rats in the number of trials to criterion, trial latencies or numbers of rats that failed to learn.

C.2. Watermaze Performance (Summary - Table E2; Individual Data - Tables E9 and E10)

No biologically important dosage-dependent differences occurred in watermaze performance of the F1 generation male or female rats regarding learning, short-term retention, long-term retention or response inhibition. No statistically significant differences occurred in the F1 generation male or female rats in the number of trials to criterion, trial latencies or numbers of rats that failed to learn. There were significant increases ($p \leq 0.05$) in errors per trial for Session 2 in the 1.0 mg/kg/day maternal dosage group male rats. These significant increases were considered unrelated to the test substance because the values were not dosage-dependent.

C.3. Necropsy Observations (Summaries - Tables E3 and E4; Individual Data - Tables E11 and E12)

No necropsy observations that occurred in the F1 generation male and female rats in Subset 2 were considered related to the test substance because the incidences were not dosage-dependent and/or the observation commonly occurs in this strain of rat. Observations in the male rats included moderate dilation of the pelvis of the kidney, small, flaccid and/or purple testis and small epididymis. Observations in the female rats included slight to marked dilation of the pelvis of the kidney.

C.4. Terminal Body Weights, Thyroid Weights and Ratios (%) of Thyroid to Terminal Body Weights (Summaries - Tables E5 and E6; Individual Data -Tables E13 and E14)

The terminal body weights, thyroid weights and ratios of the thyroid weight to the terminal weight for F1 generation male and female rats in Subset 2 were comparable among the five dosage groups. Statistical analyses indicated no differences among the groups ($p>0.05$).

D. F1 Generation Rats - Subset 3

D.1. Motor Activity (Figures 4 through 19; Summary - Table F1; Individual Data - Tables F7 and F8)

Administration of ammonium perchlorate at target dosages up to 10.0 mg/kg/day to the Fo generation dams did not affect the average number of movements or the time spent in movement for the F1 generation male or female rats as evaluated in a 1.5 hour session (18 five-minute blocks) at four different ages (DPs 14, 18, 22 and 59). As expected, the activity of the rats tested differed by age and differences among the blocks that occurred reflected the normal accommodation of these rats to a novel environment.

The average number of movements and the time spent in movement was significantly increased ($p \leq 0.05$) for the F1 generation male rats in the 10.0 mg/kg/day maternal dosage group in 3 of the 18 five-minute blocks (Blocks 14, 15 and 16) on DP 14 only, relative to the control group. The average number of movements and the time spent in movement for the male rats in the 3.0 mg/kg/day maternal dosage group was also significantly increased ($p \leq 0.05$), relative to the control group, in 1 of the 18 five-minute blocks (Block 10) on DP 14. The average number of movements on DP 18 (Block 2) and the time spent in movement on DP 22 (Block 5) for the male rats in the 0.1 mg/kg/day maternal dosage group were also significantly increased ($p \leq 0.05$), for the male rats. The number of movements on DP 59 (Block 2) for male rats in the 1.0 and 3.0 mg/kg/day maternal dosage groups were significantly decreased ($p \leq 0.05$ or $p \leq 0.01$) and the time spent in movement was significantly increased ($p \leq 0.05$) for the 10.0 mg/kg/day maternal dosage group male rats on DP 59 in Block 18. The average number of movements on DP 14 (Block 2) in the 1.0 mg/kg/day maternal dosage group and the time spent in movement on DP 14 (Block 1) in the 10.0 mg/kg/day maternal dosage group were significantly decreased ($p \leq 0.05$) for the F1 generation female rats. These increases or decreases were not considered treatment-related because they were not dosage-dependent and/or did not persist across the four testing sessions.

D.2. Auditory Startle (Figures 20 and 21; Summary - Table F2; Individual Data - Tables F9 and F10)

Target dosages as high as 10.0 mg/kg/day to Fo generation rats did not affect the auditory startle response magnitude in the F1 generation male or female rats following a series of 20 msec, 120 dBA bursts of noise at ten-second intervals for 50 trials at either time period tested (DPs 23 and 60).

D.3. Necropsy Observations (Summaries - Tables F3 and F4; Individual Data - Tables F11 and F12)

No necropsy observations in the F1 generation male and female rats in Subset 3 were considered related to the test substance because the incidences were not dosage-dependent and the observation commonly occurs in this strain of rat. The only necropsy observation in the male and female rats was dilation (slight, moderate or marked) of the pelvis of the kidney.

D.4. Terminal Body Weights, Thyroid Weights and Ratios (%) of Thyroid to Terminal Body Weights (Summaries - Tables F5 and F6; Individual Data - Tables F13 and F14)

Terminal body weights for the F1 generation male and female rats in Subset 3 were comparable among the five maternal dosage groups and did not differ significantly ($p>0.05$).

Absolute thyroid weights and the ratio of thyroid weight to terminal body weight for the male rats were slightly increased in the 1.0, 3.0 and 10.0 mg/kg/day maternal dosage groups, compared to the control values. Thyroid weights for the male rats were 100%, 102.9%, 105.9% and 108.8% of the control group value in the four respective dosage groups. The differences were not statistically significant ($p>0.05$) and were not considered biologically important because thyroid weights were comparable among the five dosage groups for the female rats in this subset and for all rats in Subsets 2 and 4. Absolute thyroid weights and the ratio of thyroid weight to terminal body weight for the female rats in all five dosage groups were comparable to the control values.

E. F1 Generation Rats - Subset 4

E.1. Necropsy Observations (Summaries - Tables G1 and G2; Individual Data - Tables G7 and G8)

No necropsy observations that occurred in the F1 generation male and female rats in Subset 4 were considered related to the test substance because the incidences were not dosage-dependent and/or the observation commonly occurs in this strain of rat.

Necropsy observations in the male rats included slight to marked dilation of the pelvis of the kidney(s); enlarged, firm and tan preputial gland; moderate distention of urinary bladder with thickened walls and containing calculi; large testis and epididymis. Observations in the female rats included slight to marked dilation of the pelvis of the kidney(s).

E.2. Terminal Body Weights, Thyroid Weights and Ratios (%) of Thyroid to Terminal Body Weights (Summaries - Tables G3 through G6; Individual Data - Tables G9 and G10)

Terminal body weights for the F1 generation male and female rats in Subset 4 were generally increased in a dosage-related fashion, albeit not significantly ($p>0.05$), among the five target dosage groups. Terminal body weights for the male rats were 100%, 100.3%, 101.9% and 103.7% of the control group value in the 0.1, 1.0, 3.0 and 10.0 mg/kg/day maternal dosage groups, respectively. Terminal body weights for the female rats were 103.2%, 98.8%, 103.5% and 104.6% of the control group value in the same respective dosage groups. Absolute thyroid weights and the ratio of thyroid weight to terminal body weight for the male and female rats were comparable in all five dosage groups and did not differ significantly.

E.3. Terminal Body Weights, Brain Weights and Ratios (%) of Brain to Terminal Body Weights (Summaries - Tables G3 through G6; Individual Data - Tables G9 and G10)

The terminal body weights, average whole brain weights and weights of the brain regions (telencephalon, diencephalon/mesencephalon, medulla oblongata/pons and cerebellum) for the F1 generation male and female rats in Subset 4 were comparable in the five dosage groups and did not differ significantly ($p>0.05$). Ratios of these organ weights to the terminal body weights were also comparable among the five dosage groups.

E.4. Neurohistological Evaluation - Postpartum Day 82 to 85 (APPENDIX Q)

Although significant increases ($p\leq0.01$ and $p\leq0.05$) were noted in brain weights and in the frontal cortex and corpus callosum measurements for the high dosage adult male group, these differences are considered to most likely represent random variation and do not suggest a neurotoxic effect. No significant differences were noted for the female rats. Furthermore, no neuropathologic alterations were found in either the male or female rats from the maternal high dosage group. There is, therefore, no evidence that exposure to the ammonium perchlorate, both *in utero* and during the postnatal lactation period and under the conditions of this study, produced any neuropathologic effects.

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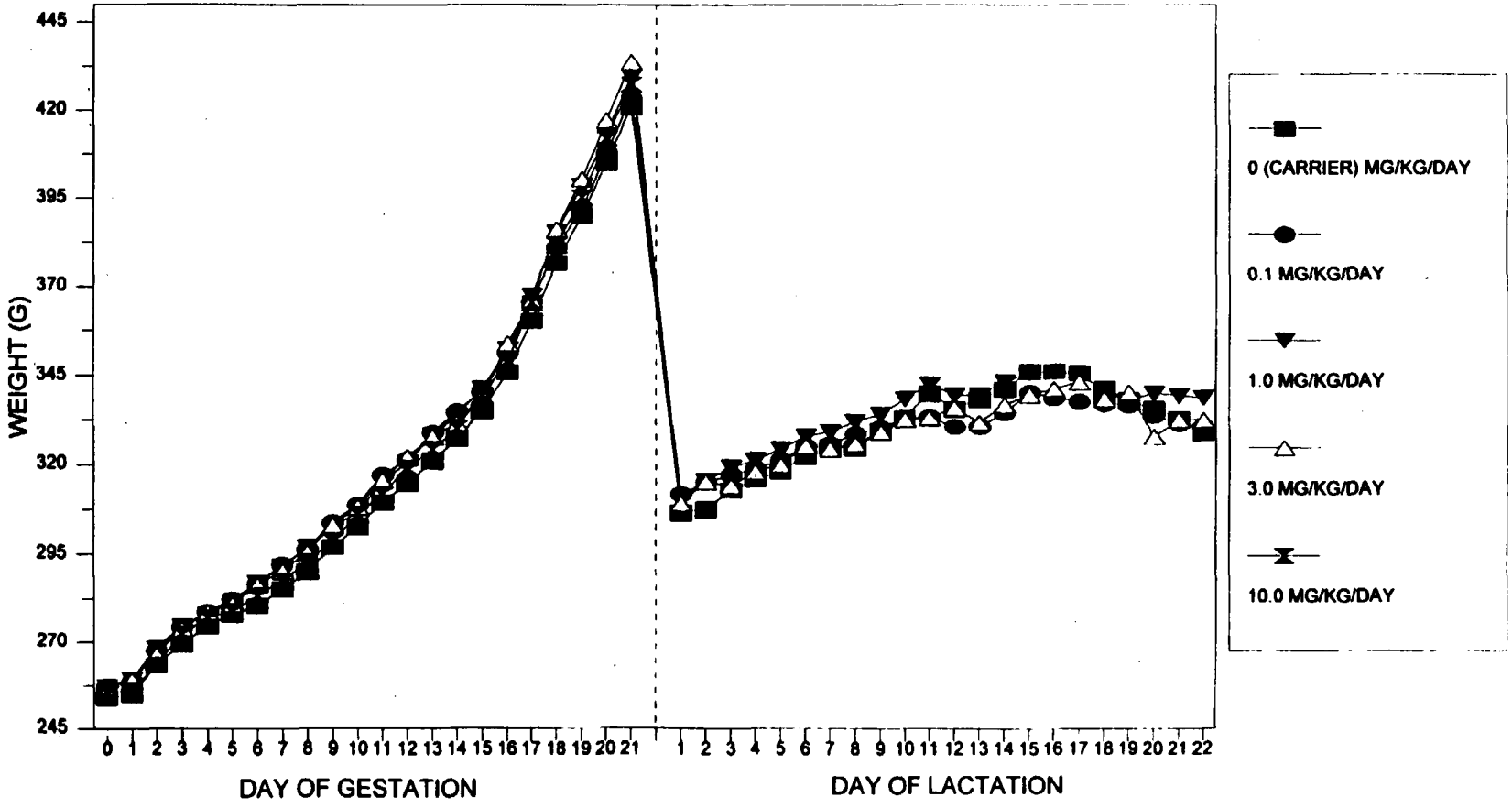
APPENDIX A

REPORT FIGURES

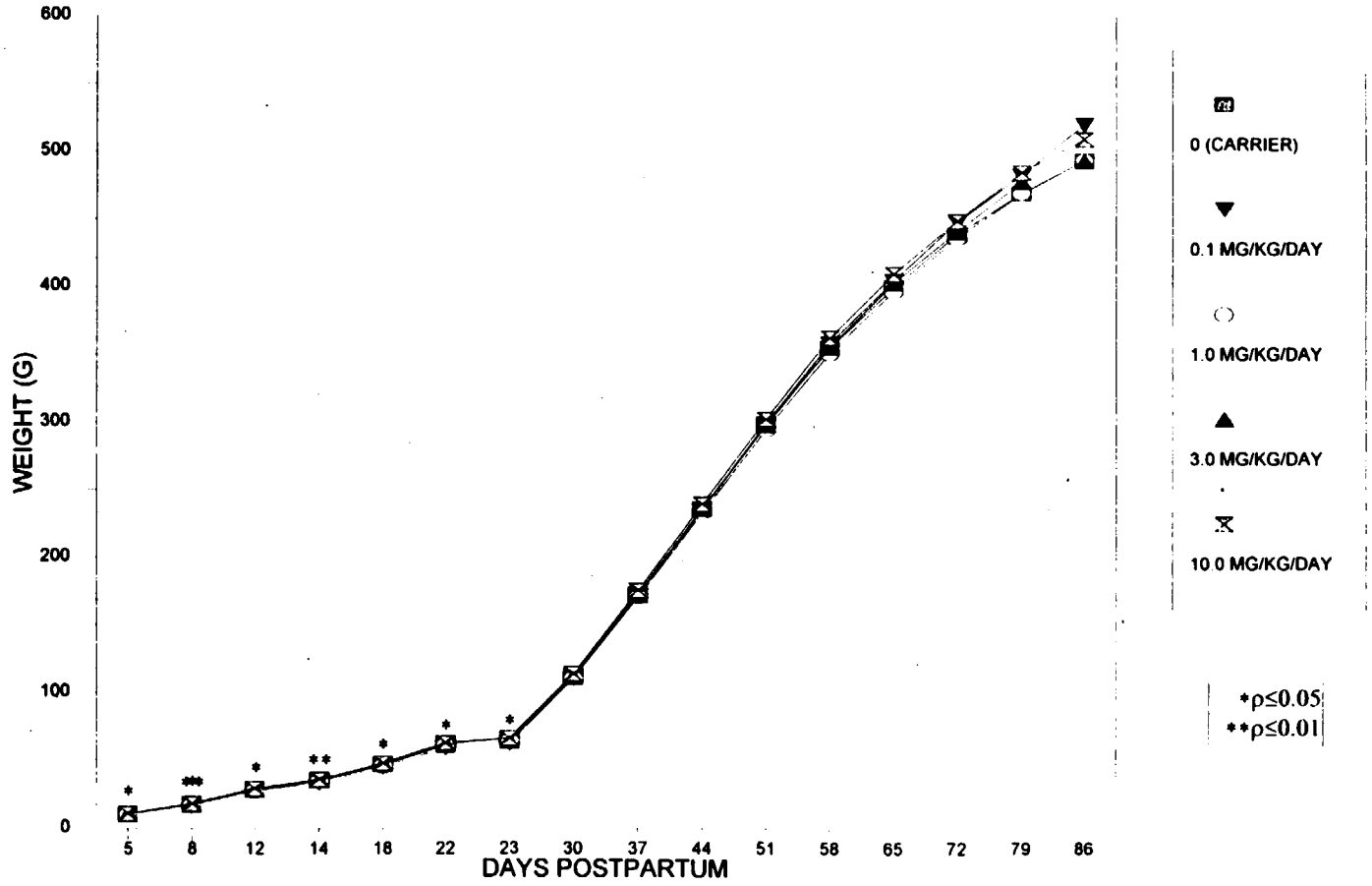
MATERNAL BODY WEIGHTS

Fo GENERATION FEMALE RATS

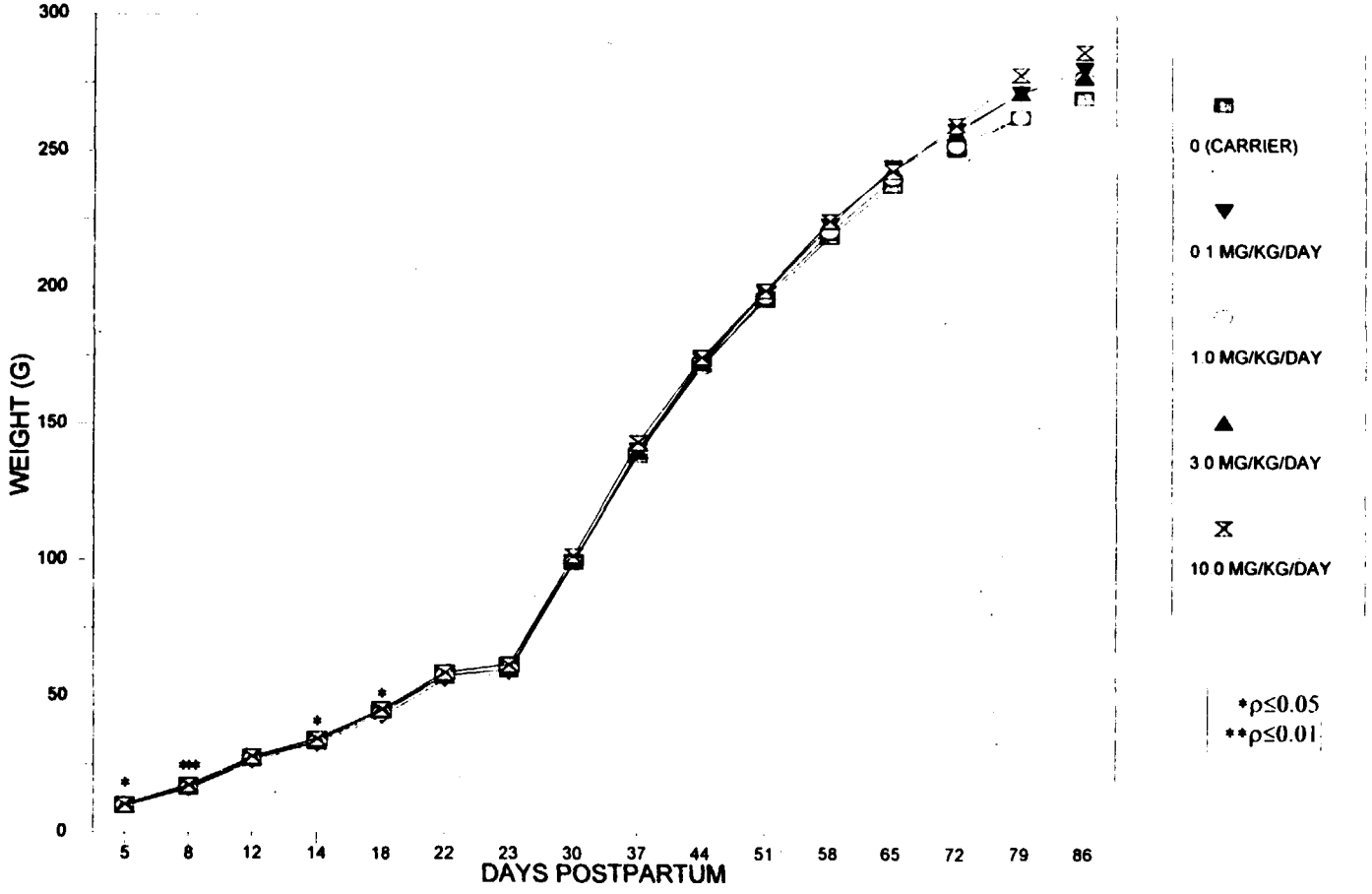
FIGURE 1



BODY WEIGHTS
F1 GENERATION MALE RATS
FIGURE 2



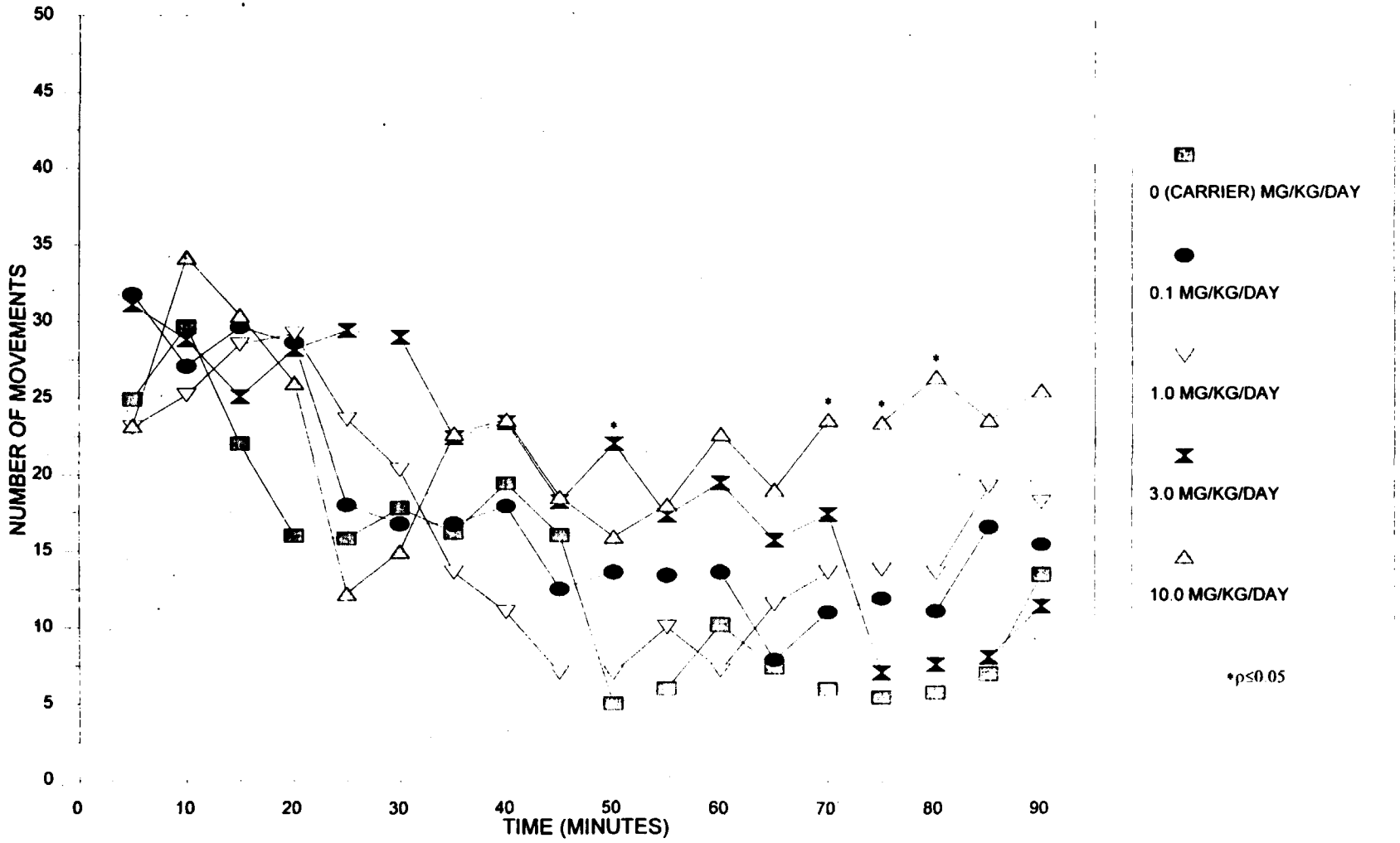
BODY WEIGHTS
F1 GENERATION FEMALE RATS
FIGURE 3



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 14 POSTPARTUM

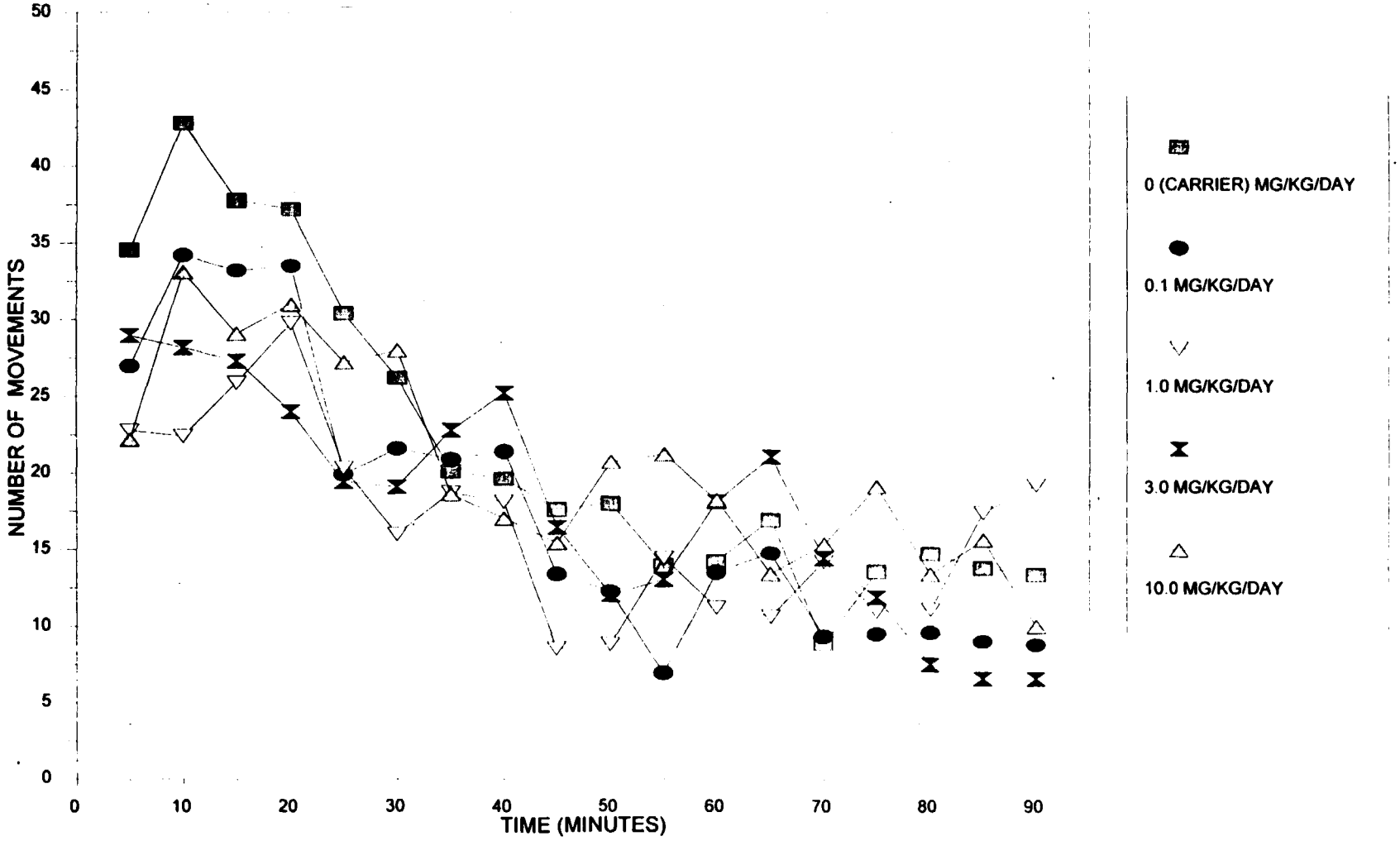
FIGURE 4



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 14 POSTPARTUM

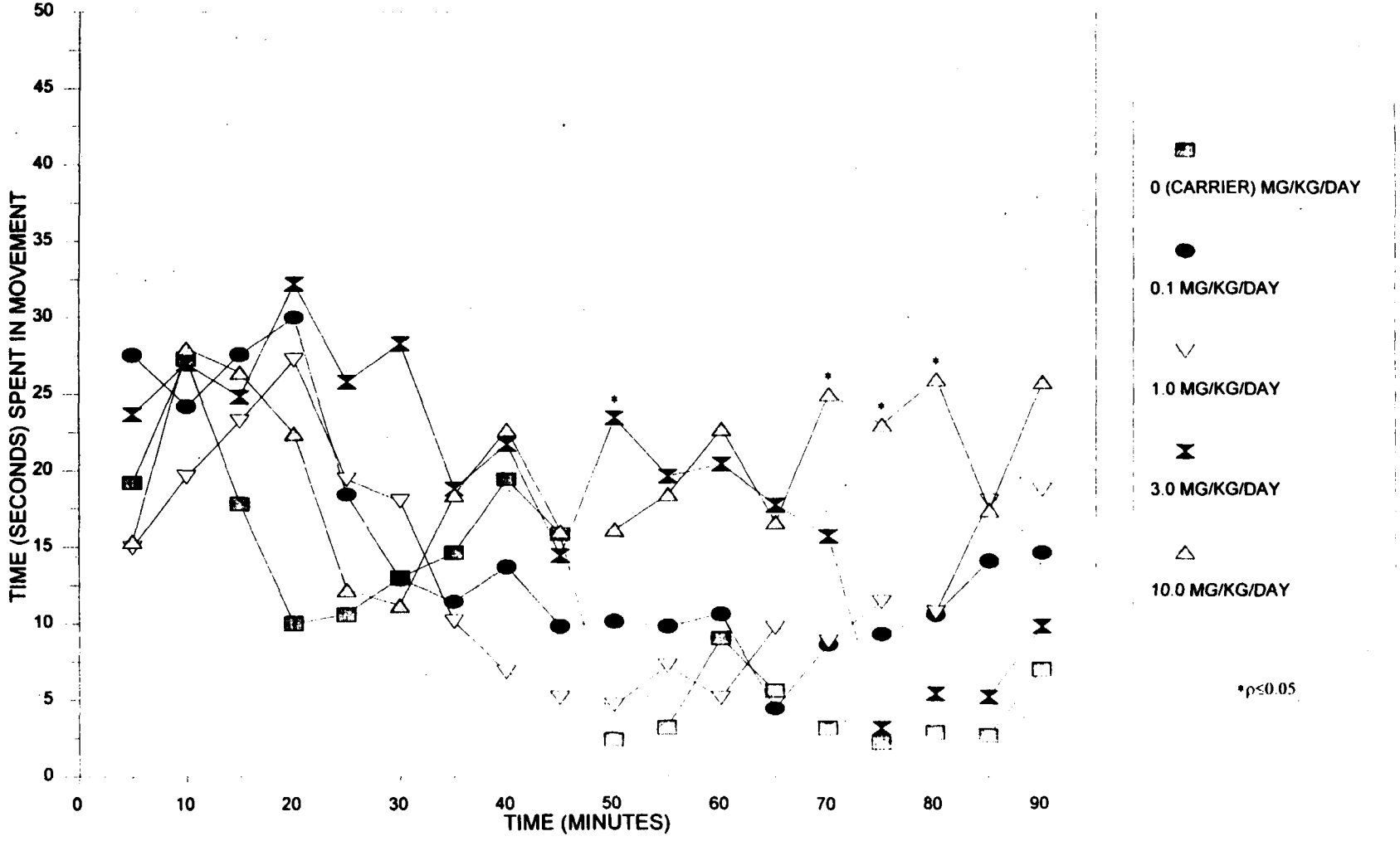
FIGURE 5



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 14 POSTPARTUM

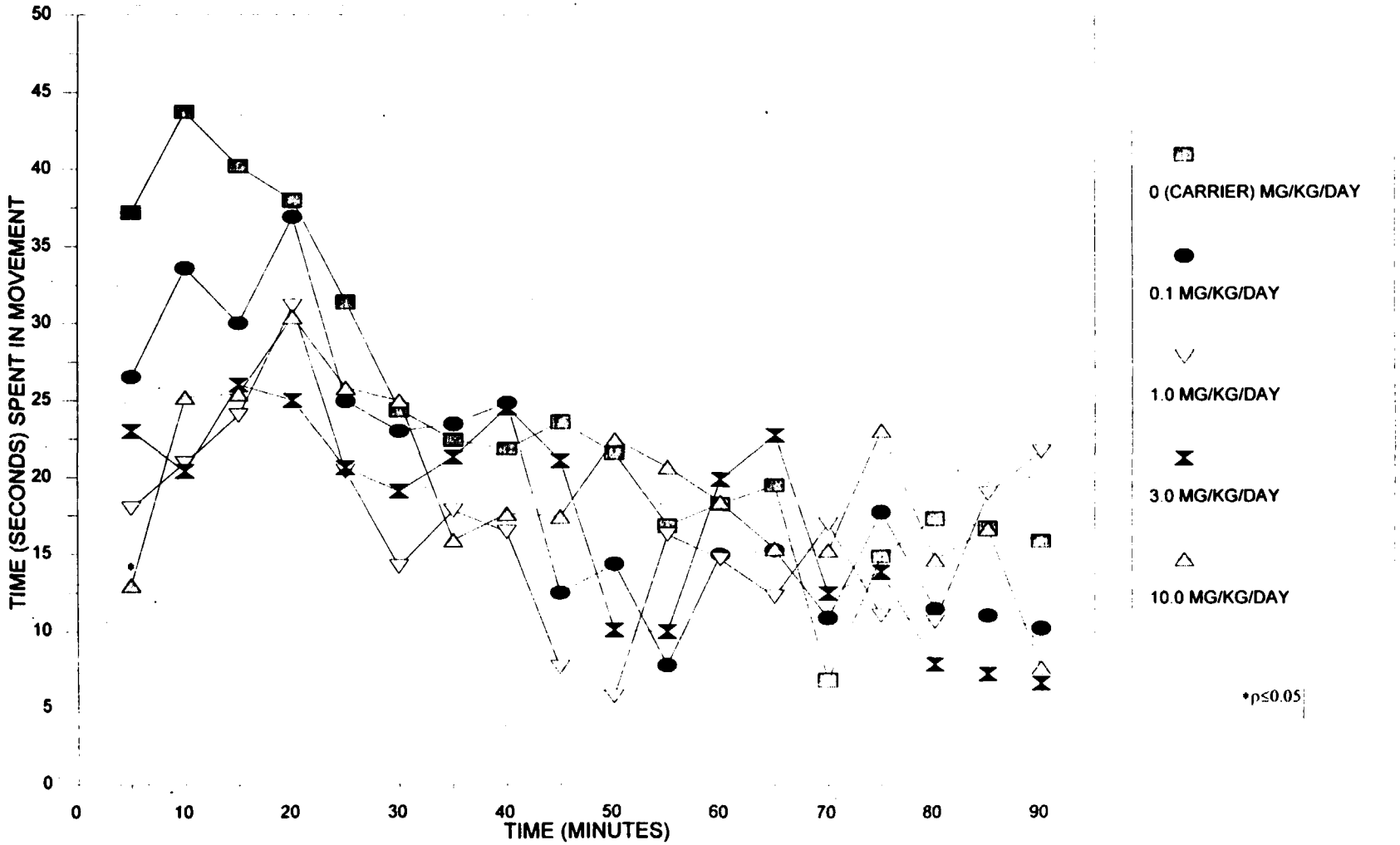
FIGURE 6



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 14 POSTPARTUM

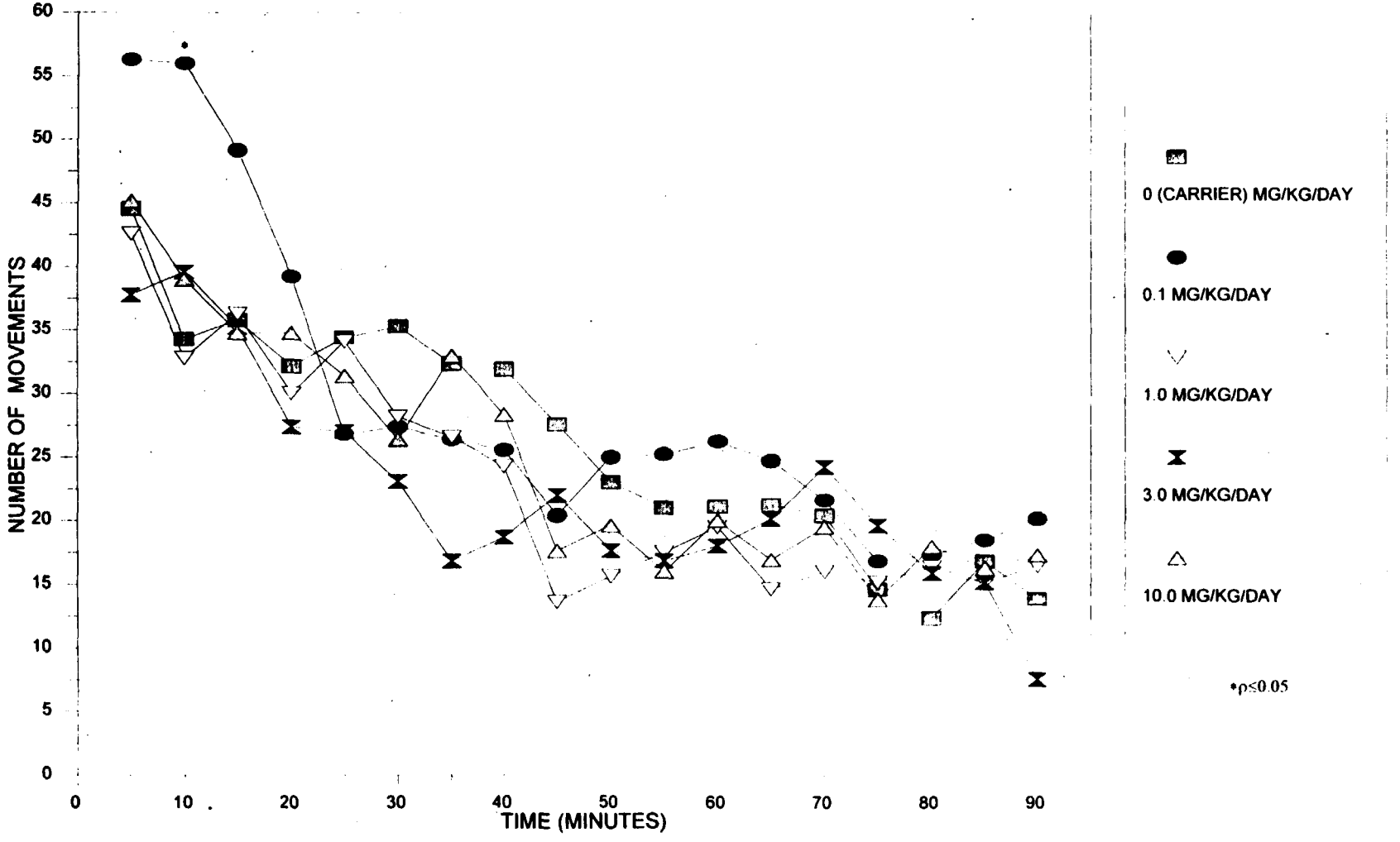
FIGURE 7



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 18 POSTPARTUM

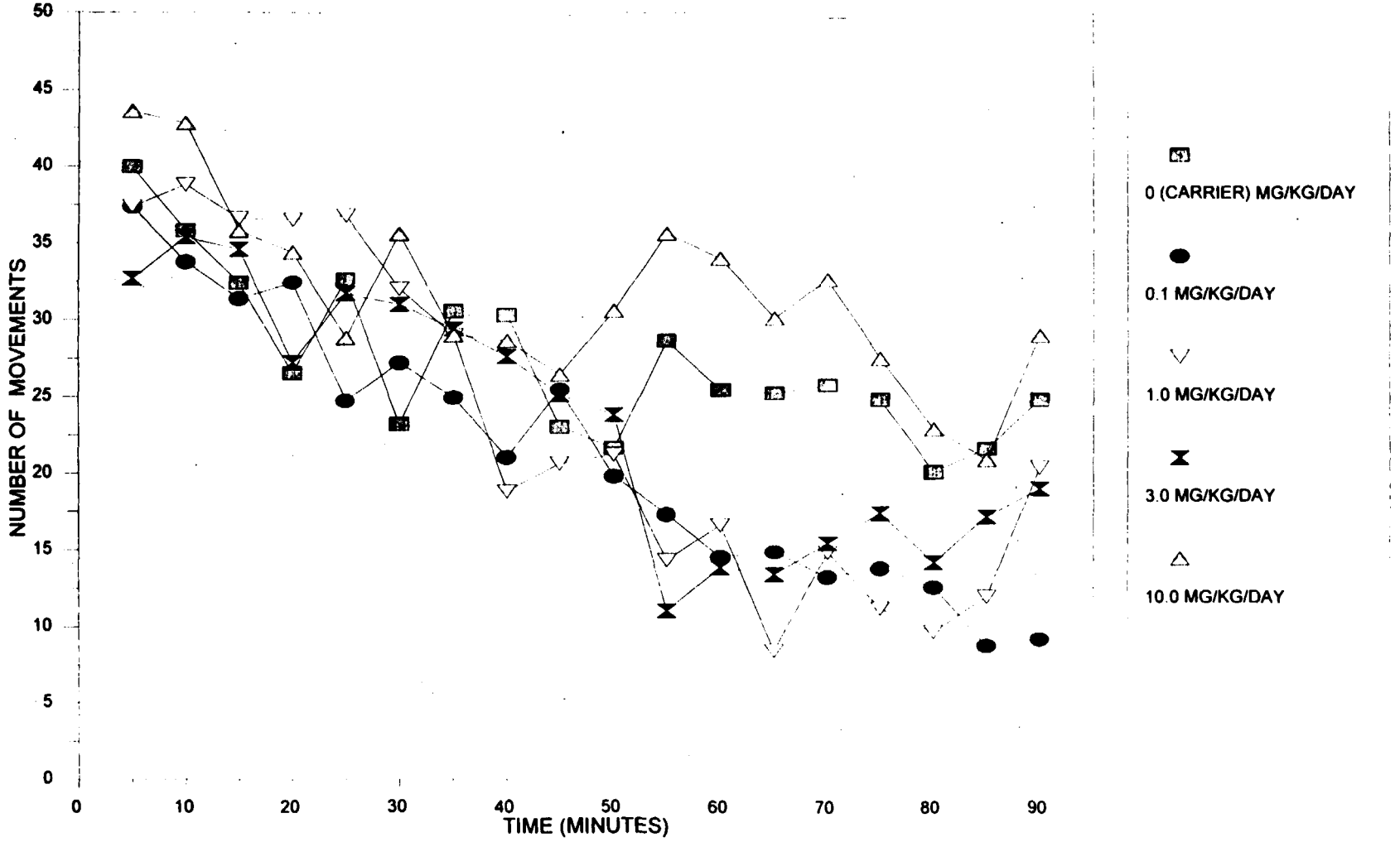
FIGURE 8



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 18 POSTPARTUM

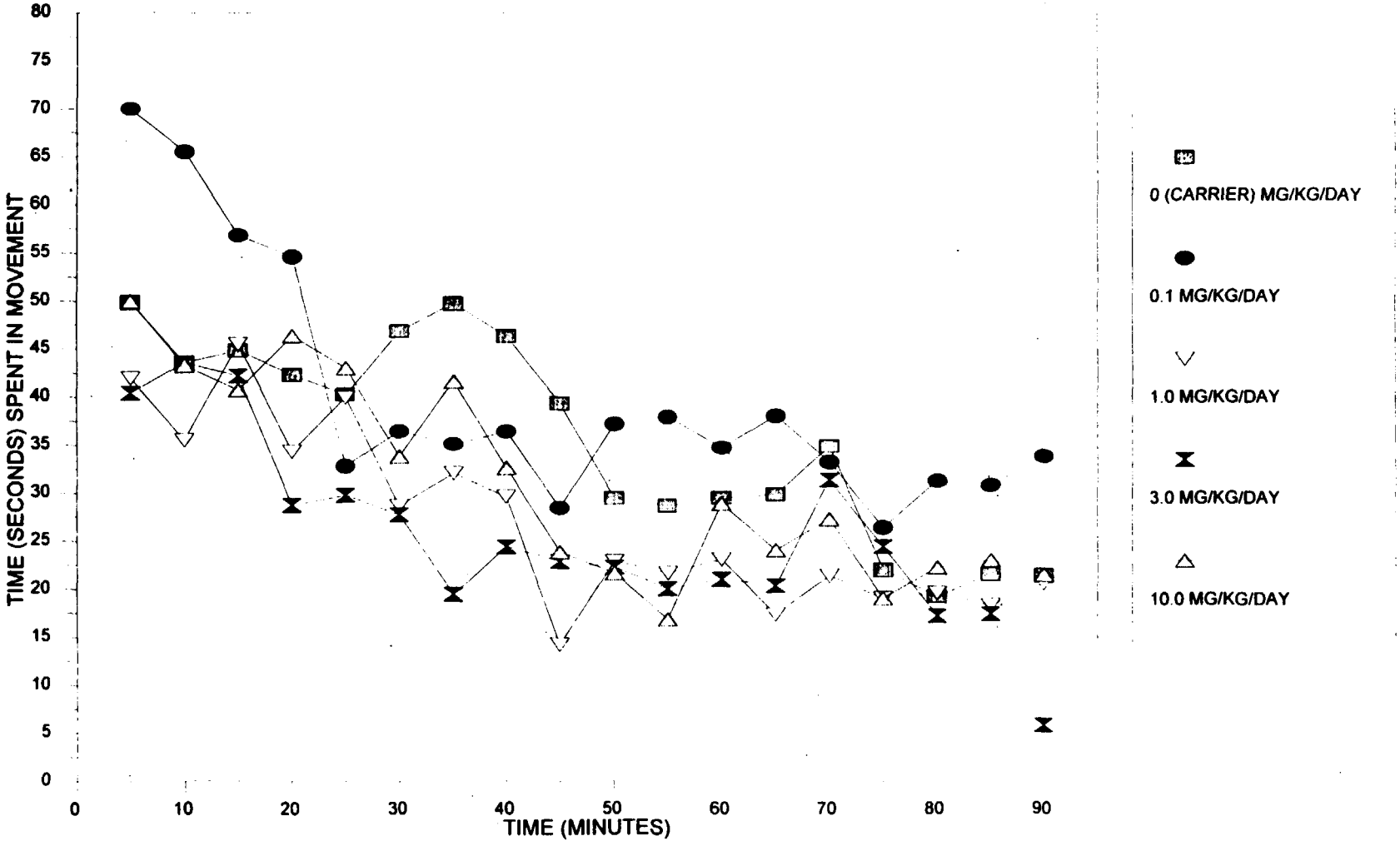
FIGURE 9



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 18 POSTPARTUM

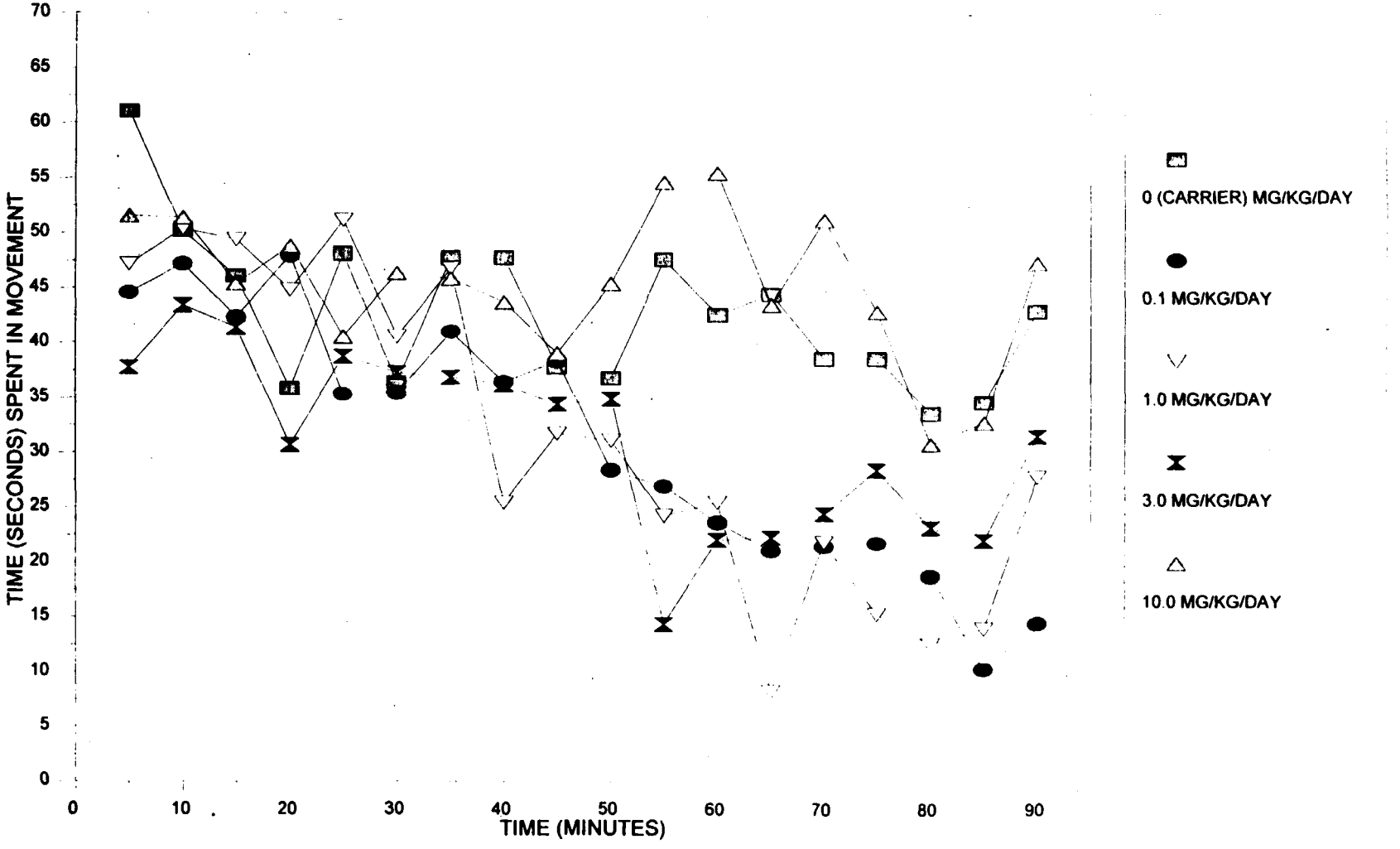
FIGURE 10



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 18 POSTPARTUM

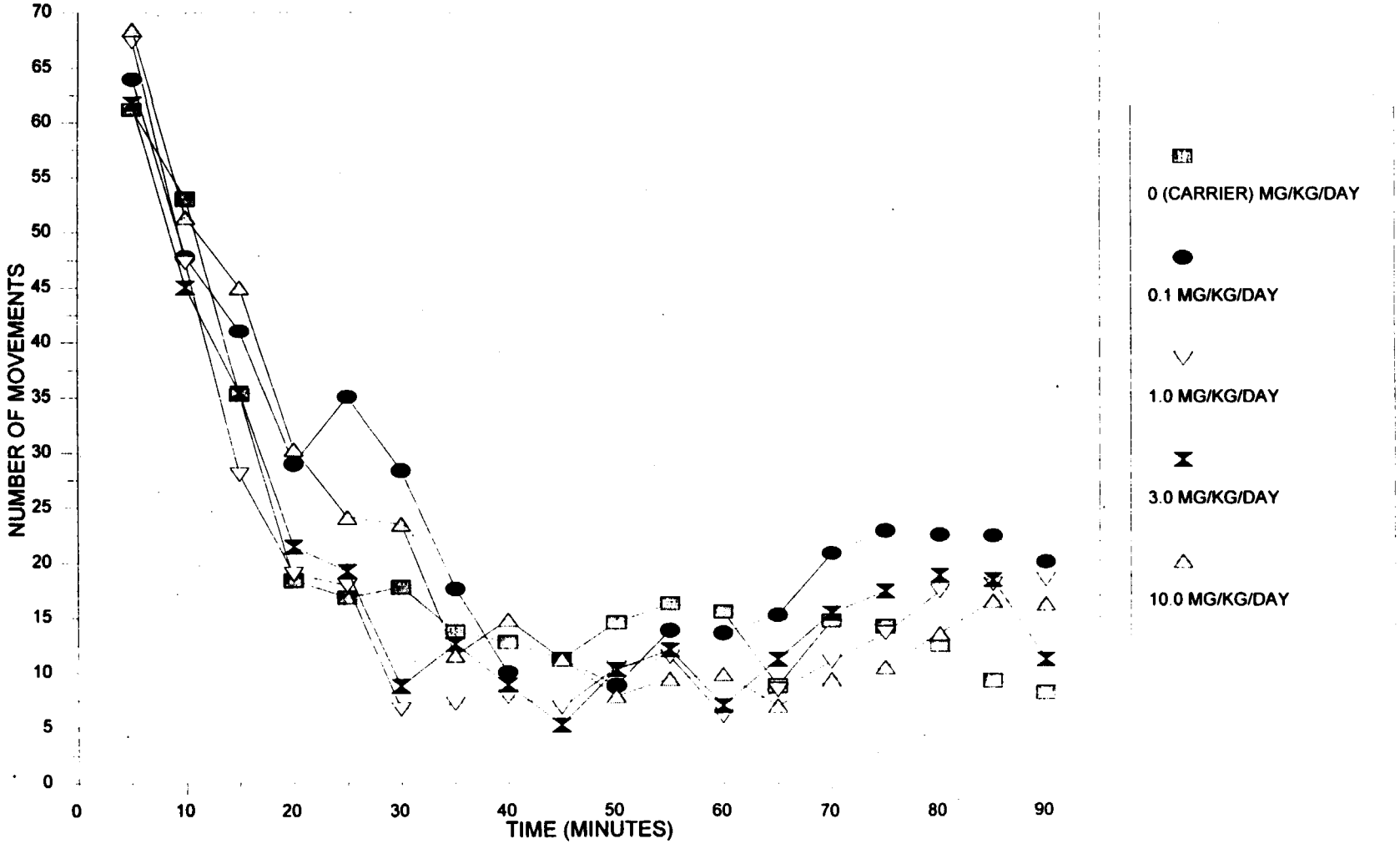
FIGURE 11



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 22 POSTPARTUM

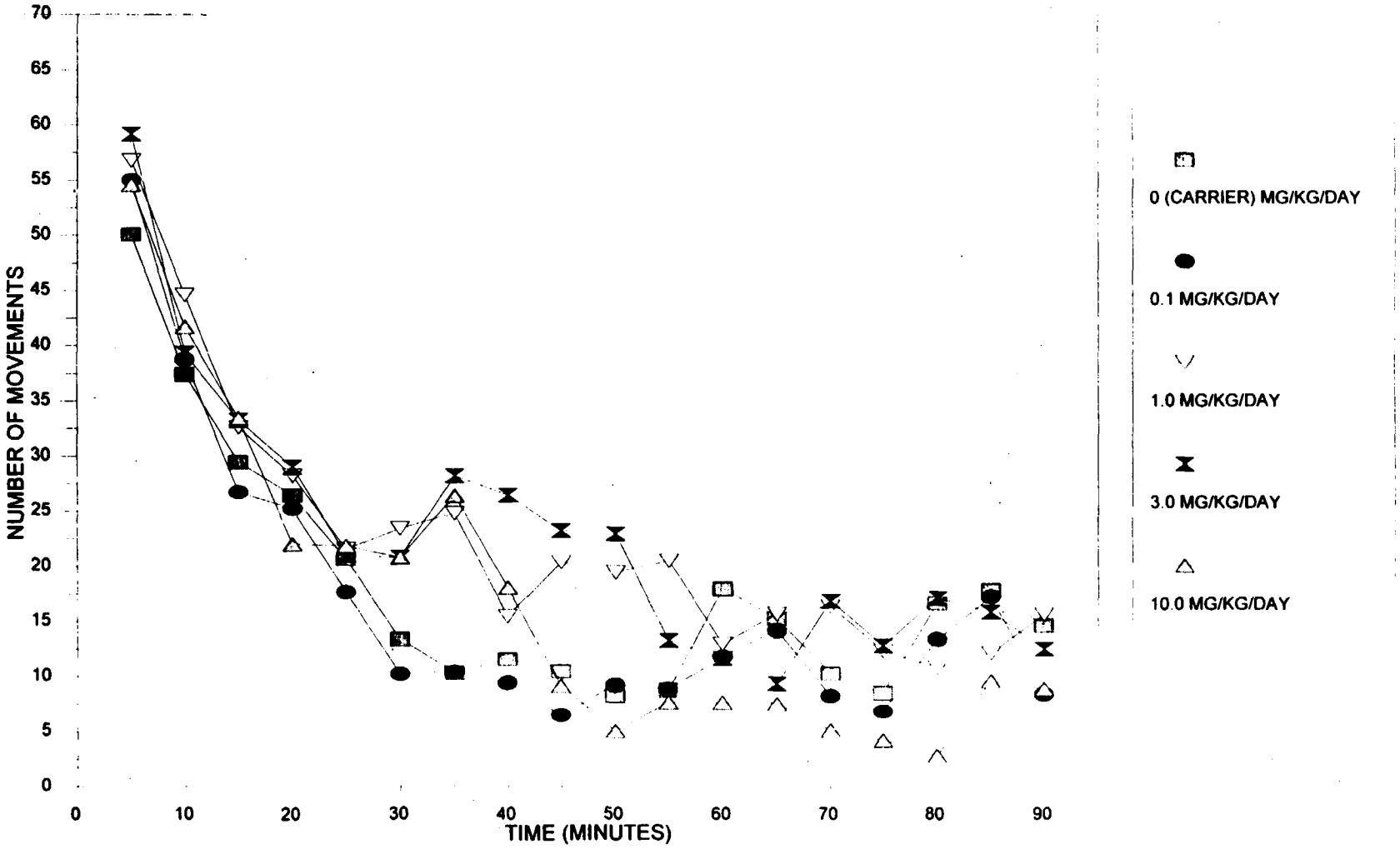
FIGURE 12



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 22 POSTPARTUM

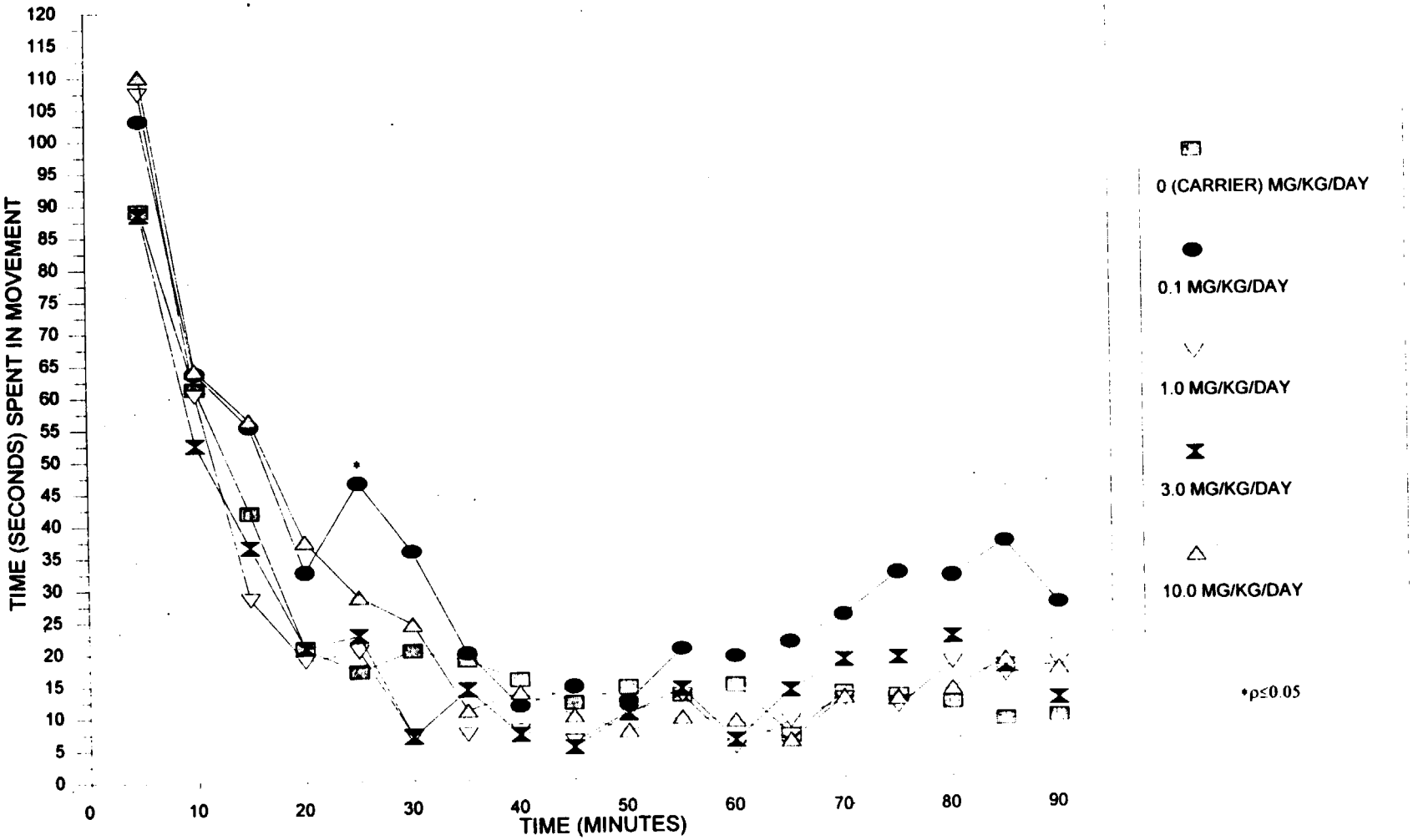
FIGURE 13



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 22 POSTPARTUM

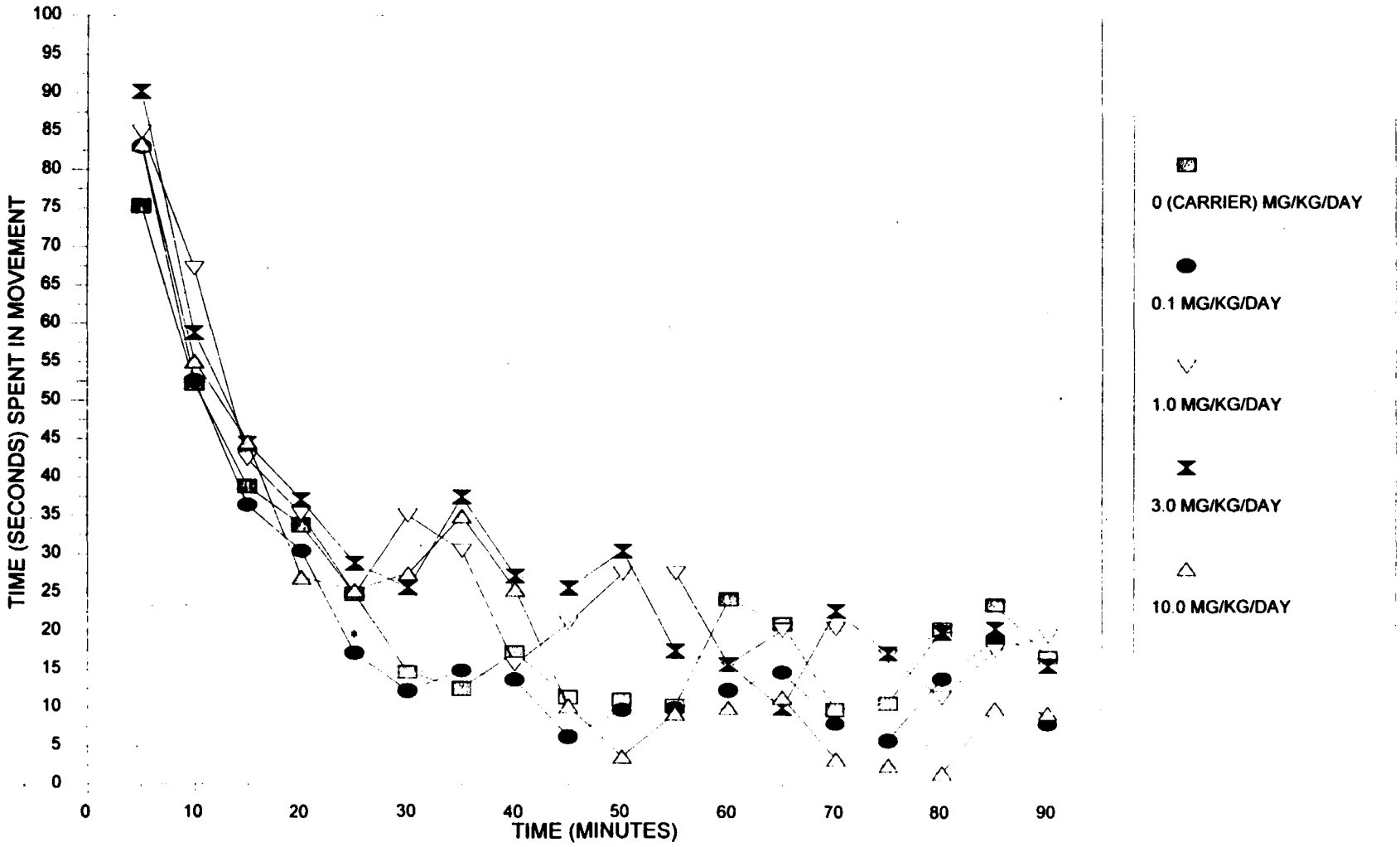
FIGURE 14



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 22 POSTPARTUM

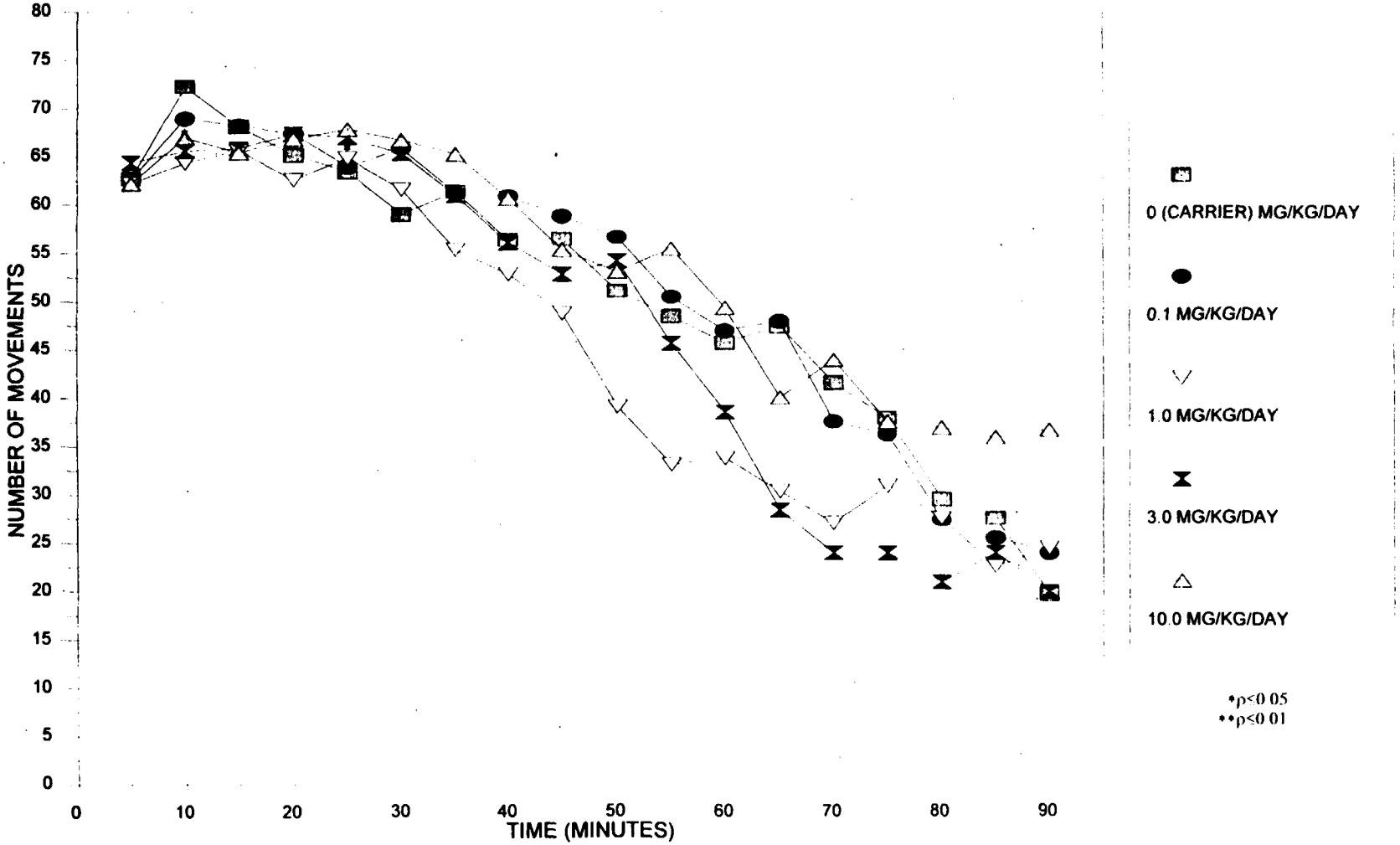
FIGURE 15



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 59 POSTPARTUM

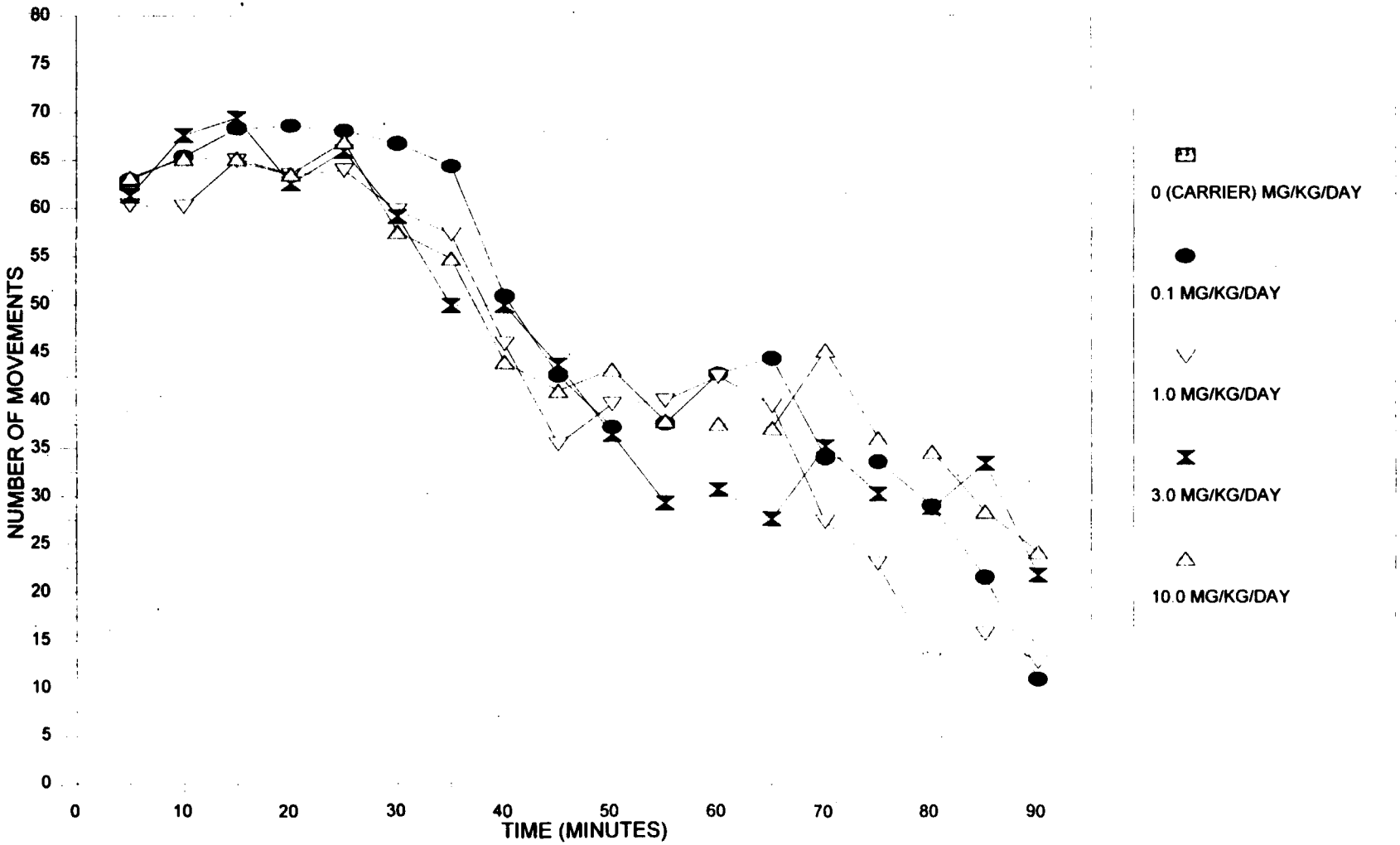
FIGURE 16



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 59 POSTPARTUM

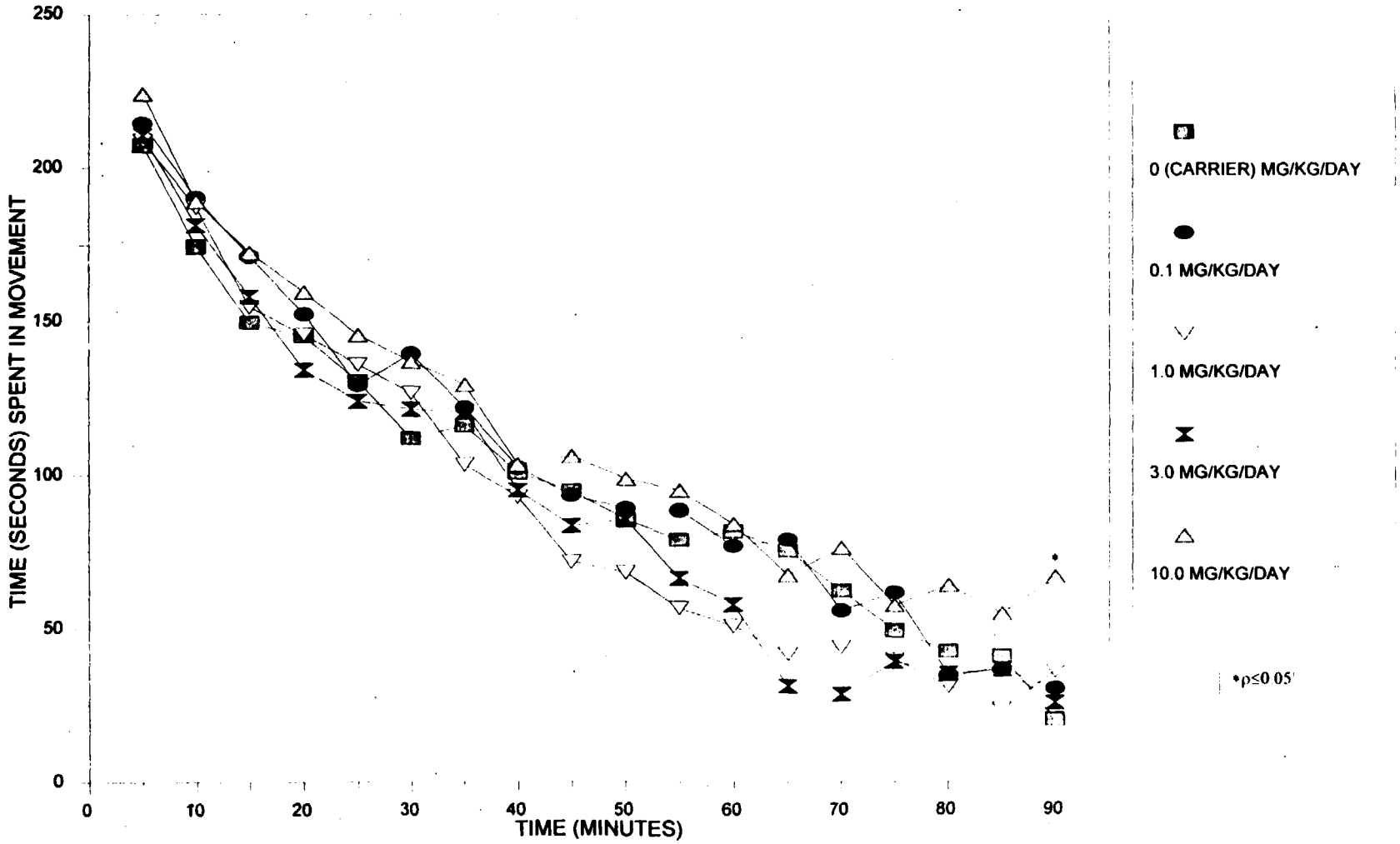
FIGURE 17



MOTOR ACTIVITY

F1 GENERATION MALE RATS - DAY 59 POSTPARTUM

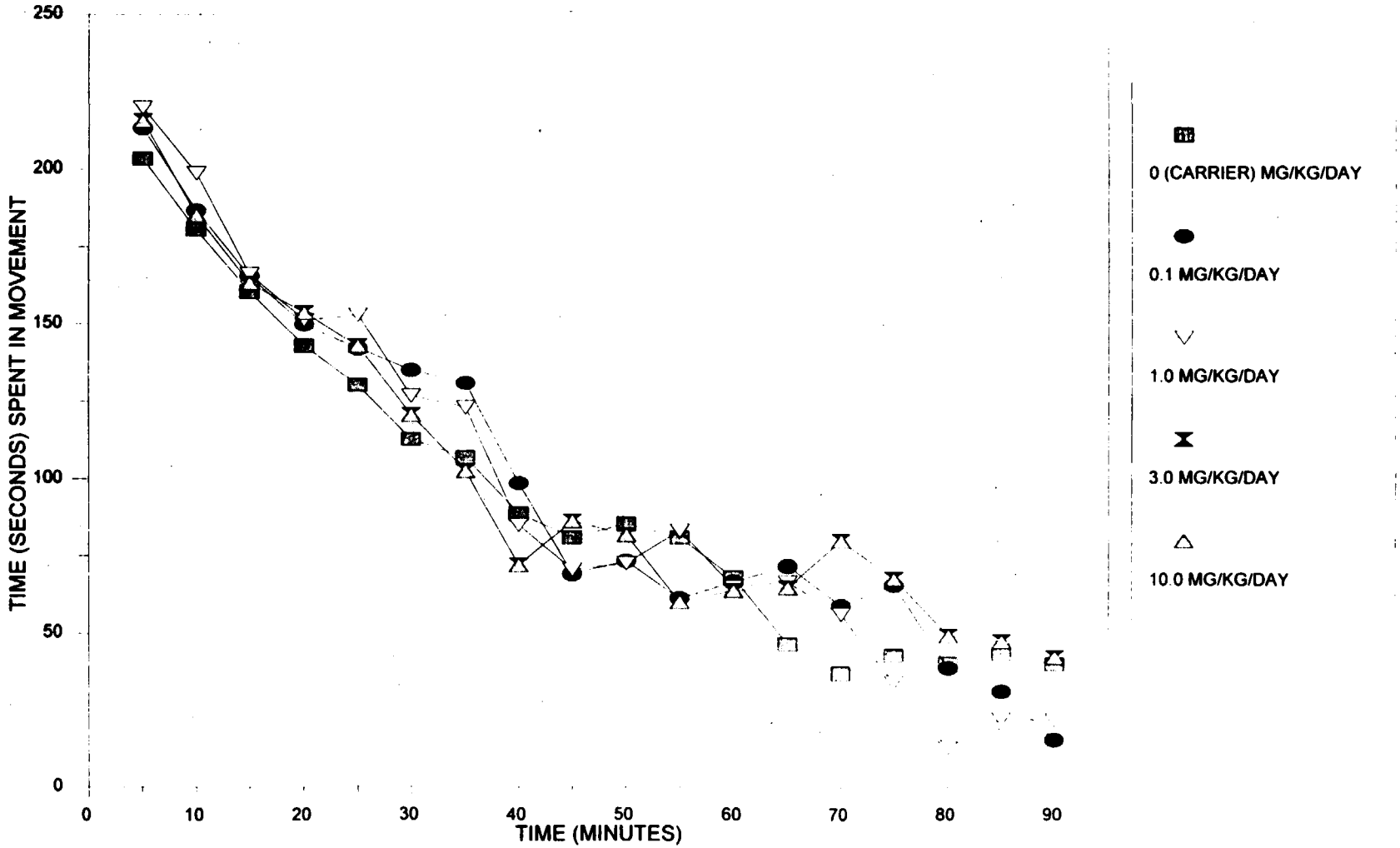
FIGURE 18



MOTOR ACTIVITY

F1 GENERATION FEMALE RATS - DAY 59 POSTPARTUM

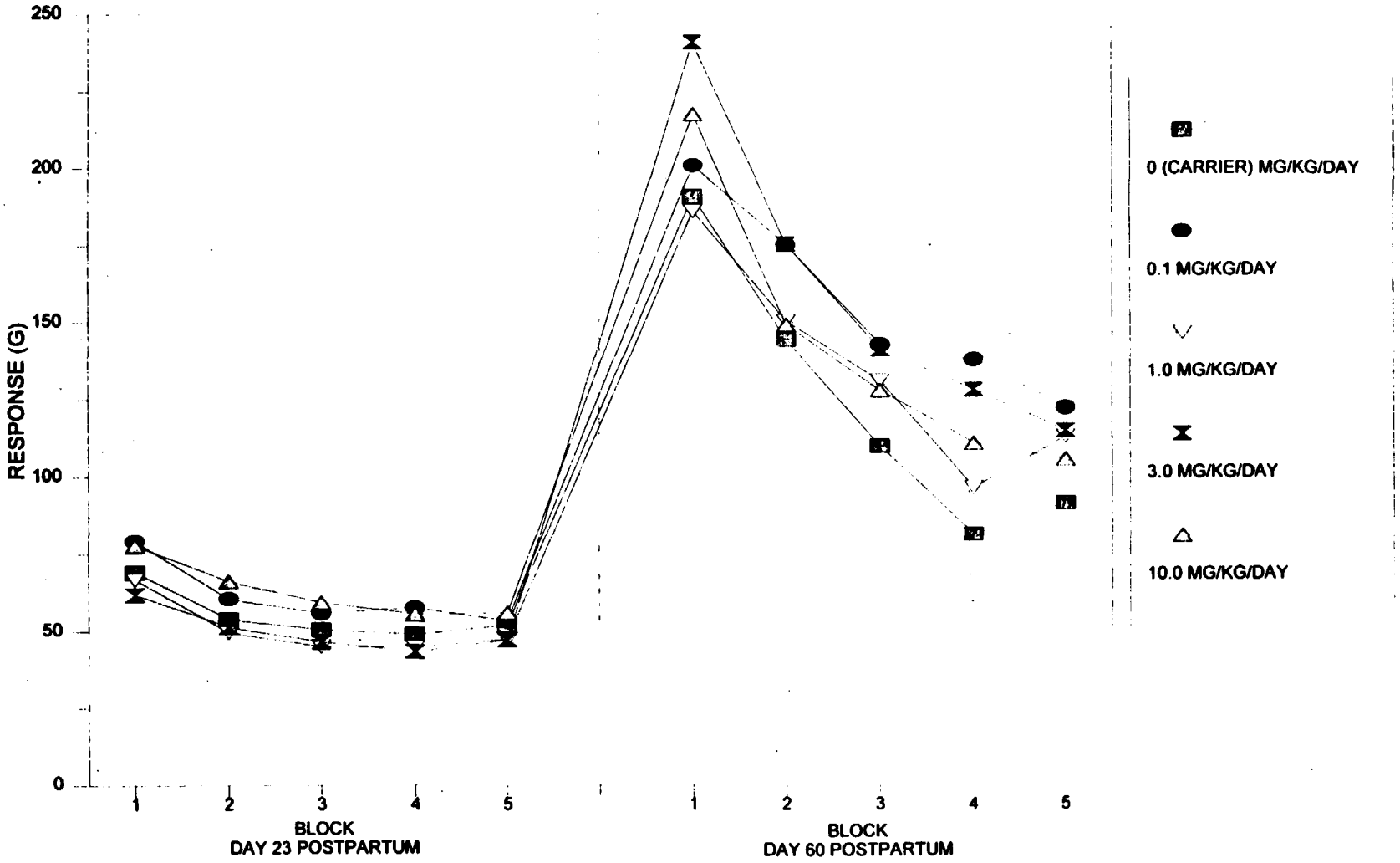
FIGURE 19



AUDITORY STARTLE HABITUATION

F1 GENERATION MALE RATS - DAYS 23 AND 60 POSTPARTUM

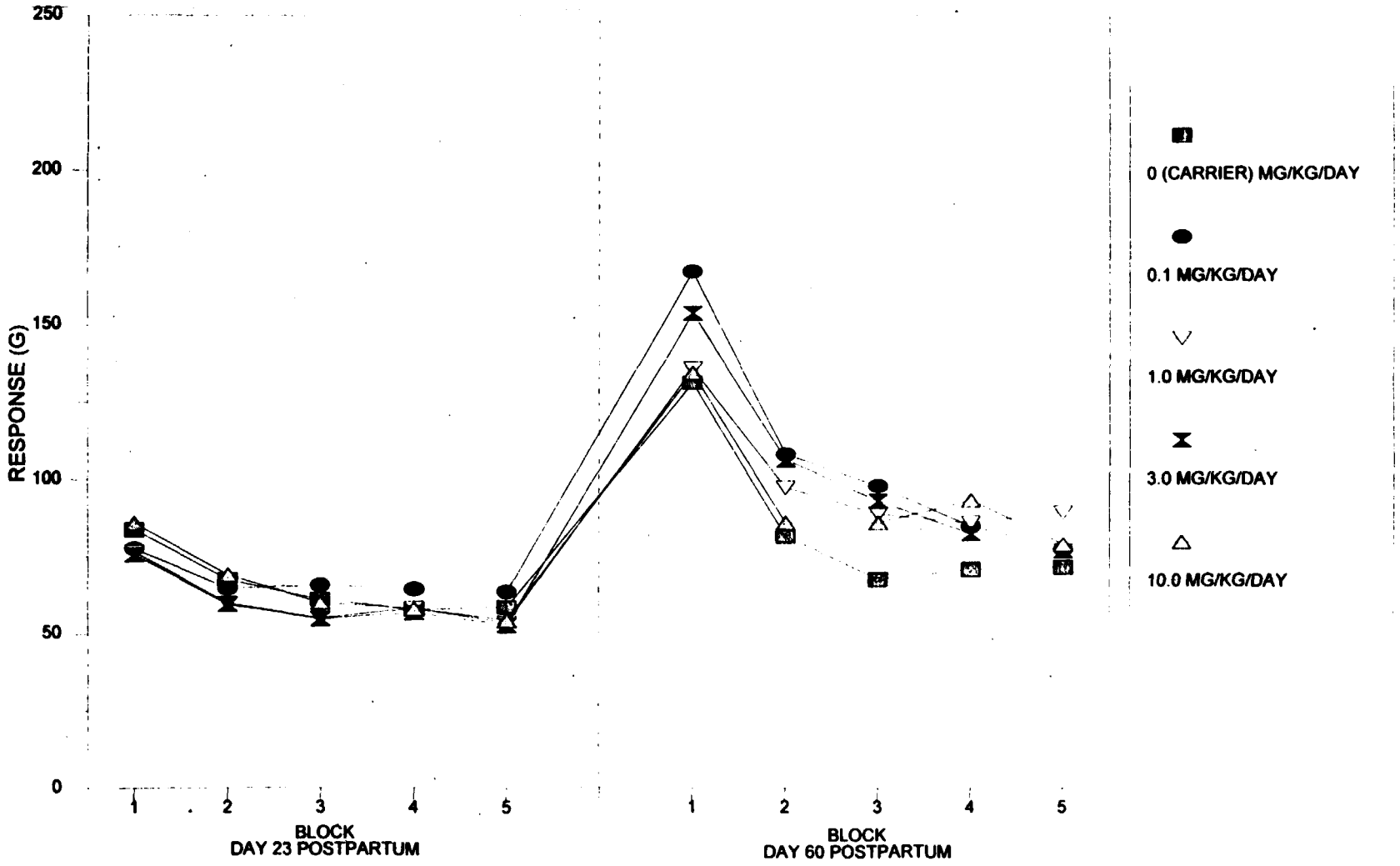
FIGURE 20



AUDITORY STARTLE HABITUATION

F1 GENERATION FEMALE RATS - DAYS 23 AND 60 POSTPARTUM

FIGURE 21



APPENDIX B

REPORT TABLES - Fo GENERATION FEMALE RATS

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B1 (PAGE 1): CONSUMED DOSAGES (MG/KG/DAY) - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
TARGET DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
GESTATION:						
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
INCLUDED IN ANALYSES	N	25	22b	22	23	24
MATERNAL ACTUAL DOSAGE (MG/KG/DAY)						
DAYS 0 - 6	MEAN±S.D.	0.0 ± 0.0	0.1 ± 0.0 [21]b	1.1 ± 0.1 [21]b	3.7 ± 0.5	12.0 ± 1.6 [21]b
DAYS 6 - 10	MEAN±S.D.	0.0 ± 0.0 [24]b	0.1 ± 0.0 [21]b	1.1 ± 0.1 [21]b	3.6 ± 0.6 [21]b	12.4 ± 2.3 [22]b
DAYS 10 - 15	MEAN±S.D.	0.0 ± 0.0	0.1 ± 0.0 [20]b	1.2 ± 0.2 [21]b	3.7 ± 0.7 [22]b	12.6 ± 2.3 [23]b
DAYS 15 - 18	MEAN±S.D.	0.0 ± 0.0 [24]b	0.1 ± 0.0 [21]b	1.2 ± 0.2 [21]b	3.9 ± 0.7 [21]b	13.1 ± 2.3 [21]b
DAYS 18 - 21	MEAN±S.D.	0.0 ± 0.0 [24]b	0.1 ± 0.0	1.0 ± 0.1	2.9 ± 0.3	10.0 ± 1.4
DAYS 0 - 21	MEAN±S.D.	0.0 ± 0.0 [24]b	0.1 ± 0.0	1.1 ± 0.1	3.5 ± 0.4	11.6 ± 1.8

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values that were associated or appeared associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B1 (PAGE 2): CONSUMED DOSAGES (MG/KG/DAY) - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
TARGET DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
LACTATION:						
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21b	23	24
INCLUDED IN ANALYSES	N	22b,c	22c	21	23	23c
MATERNAL ACTUAL DOSAGE (MG/KG/DAY)						
DAYS 1 - 4	MEAN±S.D.	0.0 ± 0.0	0.1 ± 0.0 [21]c	1.4 ± 0.2	4.1 ± 0.6 [20]c	13.6 ± 2.4
DAYS 4 - 7	MEAN±S.D.	0.0 ± 0.0	0.2 ± 0.0	1.6 ± 0.2	5.0 ± 0.6	16.3 ± 2.3 [22]c
DAYS 7 - 10	MEAN±S.D.	0.0 ± 0.0 [19]c	0.2 ± 0.0 [18]c	1.7 ± 0.2 [17]c	5.1 ± 0.5 [19]c	17.3 ± 2.2 [17]c
DAYS 1 - 10	MEAN±S.D.	0.0 ± 0.0 [19]c	0.2 ± 0.0 [18]c	1.6 ± 0.2 [17]c	4.7 ± 0.5 [19]c	15.4 ± 1.9 [17]c

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values that were associated or appeared associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B2 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
~~DOSAGE (MG/KG/DAY)a~~		0 (CARRIER)	0.1	1.0	3.0	10.0
PRESUMED GESTATION:						
MAXIMUM POSSIBLE INCIDENCE		557/ 25	572/ 25	585/ 25	576/ 25	566/ 25
FOUND DEAD		1b	0	1c	0	0
HYPERREACTIVITY		0/ 0	9/ 4	6/ 3	2/ 2	2/ 2
LOCALIZED ALOPECIA:	TOTAL	0/ 0	0/ 0	10/ 1	14/ 2	4/ 1
	LIMBS	0/ 0	0/ 0	10/ 1	14/ 2	4/ 1
	UNDERSIDE	0/ 0	0/ 0	0/ 0	0/ 0	3/ 1
REPETITIVE SNIFFING		0/ 0	2/ 2	4/ 4	8/ 4	0/ 0
STRAUB TAIL		0/ 0	10/ 1	1/ 1	3/ 1	0/ 0
CHROMODACRYORRHEA		0/ 0	0/ 0	0/ 0	10/ 1	0/ 0
CHROMORHINORRHEA		0/ 0	0/ 0	3/ 1	0/ 0	0/ 0
HYPERACTIVITY		0/ 0	1/ 1	0/ 0	0/ 0	0/ 0
NECK: LESION		9/ 1	0/ 0	0/ 0	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Dosage occurred on day 0 of presumed gestation through day 10 of lactation.
b. Dam 19503 was found dead on day 22 of gestation.
c. Dam 19550 was found dead on day 22 of gestation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B2 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (CARRIER)	II 0.1	III 1.0	IV 3.0	V 10.0
LACTATION:						
MAXIMUM POSSIBLE INCIDENCE		471/ 24	470/ 23	450/ 21	470/ 23	480/ 24
MORIBUND SACRIFICED		1b	0	0	0	0
LOCALIZED ALOPECIA:	TOTAL	31/ 2	52/ 4	40/ 2	32/ 2	22/ 1
	LIMBS	31/ 2	52/ 4	40/ 2	32/ 2	22/ 1
	UNDERSIDE	0/ 0	0/ 0	0/ 0	0/ 0	22/ 1
TAIL: SHEATH MISSING		0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
STRAUB TAIL		0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
HYPERREACTIVITY		0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
NECK: LESION		1/ 1	0/ 0	0/ 0	0/ 0	0/ 0
PROLAPSED UTERUS		1/ 1	0/ 0	0/ 0	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP ON DAYS 1 THROUGH 22 OF LACTATION.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Dam 19563 was moribund sacrificed on day 1 of lactation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B3 (PAGE 1): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
MATERNAL BODY WEIGHT (G)						
DAY 0	MEAN±S.D.	254.0 ± 14.5	257.2 ± 12.8	257.1 ± 12.4	255.6 ± 14.3	255.7 ± 14.9
DAY 1	MEAN±S.D.	254.8 ± 13.6	258.6 ± 14.3	259.2 ± 12.6	259.0 ± 15.2	256.0 ± 14.4
DAY 2	MEAN±S.D.	263.3 ± 13.7	267.4 ± 15.0	268.3 ± 12.9	266.3 ± 15.3	263.4 ± 15.6
DAY 3	MEAN±S.D.	269.3 ± 14.4	274.4 ± 15.4	274.5 ± 13.8	273.9 ± 14.1	272.2 ± 15.3
DAY 4	MEAN±S.D.	274.7 ± 14.7	278.7 ± 16.6	277.9 ± 17.9	278.4 ± 15.9	277.1 ± 16.1
DAY 5	MEAN±S.D.	277.9 ± 15.2	282.1 ± 18.3	281.6 ± 15.1	280.9 ± 19.6	278.8 ± 17.0
DAY 6	MEAN±S.D.	280.3 ± 17.4	286.6 ± 17.5	287.0 ± 15.2	286.4 ± 16.7	283.3 ± 16.7
DAY 7	MEAN±S.D.	285.2 ± 17.2	292.0 ± 18.2	291.6 ± 16.8	290.3 ± 16.4	287.5 ± 17.7
DAY 8	MEAN±S.D.	290.1 ± 18.3	296.3 ± 18.1	297.0 ± 17.2	295.3 ± 17.6	292.7 ± 19.0
DAY 9	MEAN±S.D.	296.8 ± 20.4	303.9 ± 20.6	302.5 ± 17.9	303.0 ± 18.7	298.6 ± 19.7
DAY 10	MEAN±S.D.	302.6 ± 20.0	308.7 ± 20.3	306.5 ± 18.8	308.1 ± 19.4	306.0 ± 20.7
DAY 11	MEAN±S.D.	309.4 ± 21.0	317.1 ± 21.4	315.2 ± 20.6	315.6 ± 21.3	311.7 ± 21.4
DAY 12	MEAN±S.D.	314.5 ± 21.7	321.3 ± 22.0	320.5 ± 20.3	322.1 ± 20.9	319.2 ± 20.3
DAY 13	MEAN±S.D.	321.2 ± 22.2	328.9 ± 22.5	328.2 ± 20.7	327.7 ± 21.6	324.3 ± 20.8
DAY 14	MEAN±S.D.	326.9 ± 23.1	334.7 ± 22.7	333.7 ± 21.9	331.6 ± 20.8	330.2 ± 22.4

DAY = DAY OF GESTATION
a. Dosage occurred on day 0 of gestation through day 10 of lactation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B3 (PAGE 2): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
MATERNAL BODY WEIGHT (G)						
DAY 15	MEAN±S.D.	335.0 ± 24.0	340.4 ± 23.7	341.1 ± 22.6	339.0 ± 19.4	339.3 ± 24.0
DAY 16	MEAN±S.D.	345.8 ± 25.9	351.3 ± 24.4	352.3 ± 23.8	353.8 ± 23.2	349.0 ± 24.5
DAY 17	MEAN±S.D.	360.3 ± 26.8	365.7 ± 23.6	367.4 ± 23.2	366.2 ± 24.4	365.4 ± 26.5
DAY 18	MEAN±S.D.	376.7 ± 29.3	381.1 ± 22.3	385.4 ± 25.2	386.2 ± 28.4	381.8 ± 28.4
DAY 19	MEAN±S.D.	390.1 ± 29.9	391.8 ± 28.4	398.6 ± 27.2	400.6 ± 30.2	395.4 ± 28.4
DAY 20	MEAN±S.D.	405.2 ± 31.5	407.9 ± 23.2	413.1 ± 27.0	417.1 ± 31.4	412.1 ± 30.8
DAY 21	MEAN±S.D.	421.1 ± 33.1	423.6 ± 24.4	429.7 ± 27.7	433.9 ± 34.0	427.5 ± 34.8

DAY = DAY OF GESTATION
a. Dosage occurred on day 0 of gestation through day 10 of lactation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE B4 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
MATERNAL BODY WEIGHT CHANGE (G)						
DAYS 0 - 6	MEAN±S.D.	+26.3 ± 6.8	+29.4 ± 8.3	+30.0 ± 6.5	+30.7 ± 7.4	+27.6 ± 6.8
DAYS 6 - 10	MEAN±S.D.	+22.2 ± 6.4	+22.1 ± 6.8	+19.4 ± 6.6	+21.7 ± 6.7	+22.7 ± 7.4
DAYS 10 - 15	MEAN±S.D.	+32.4 ± 9.6	+31.6 ± 8.3	+34.6 ± 6.8	+30.9 ± 11.0	+33.3 ± 8.5
DAYS 15 - 18	MEAN±S.D.	+41.7 ± 8.0	+40.7 ± 12.0	+44.3 ± 6.0	+47.2 ± 12.1	+42.5 ± 9.9
DAYS 18 - 21	MEAN±S.D.	+44.4 ± 8.8	+42.4 ± 13.0	+44.3 ± 7.5	+47.7 ± 12.5	+45.7 ± 12.0
DAYS 0 - 21	MEAN±S.D.	+167.1 ± 24.4	+166.3 ± 19.5	+172.6 ± 19.9	+178.2 ± 27.9	+171.8 ± 26.5

DAYS = DAYS OF GESTATION
a. Dosage occurred on day 0 of gestation through day 10 of lactation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B5 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (CARRIER)	II 0.1	III 1.0	IV 3.0	V 10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24b	23	21b	23	24
MATERNAL BODY WEIGHT (G)						
DAY 1	MEAN±S.D.	306.3 ± 29.2	311.5 ± 26.4	309.8 ± 22.2	308.9 ± 22.3	308.8 ± 22.9
DAY 2	MEAN±S.D.	307.3 ± 28.9 [23]b	314.6 ± 26.2	315.3 ± 20.3	315.0 ± 24.2	316.1 ± 22.4
DAY 3	MEAN±S.D.	312.6 ± 26.9 [23]b	316.9 ± 23.7	319.1 ± 18.0	313.9 ± 22.7	317.9 ± 23.5
DAY 4	MEAN±S.D.	315.6 ± 27.1 [23]b	318.7 ± 25.1	321.0 ± 19.7	317.8 ± 22.9	320.9 ± 24.7
DAY 5	MEAN±S.D.	317.9 ± 23.6 [23]b	321.0 ± 24.5	324.0 ± 22.0	319.8 ± 23.0	321.9 ± 24.2
DAY 6	MEAN±S.D.	322.3 ± 24.6 [23]b	324.9 ± 25.6	327.7 ± 19.2	325.1 ± 22.8	322.9 ± 25.1
DAY 7	MEAN±S.D.	324.7 ± 23.4 [23]b	325.5 ± 22.9	329.0 ± 18.1	324.3 ± 19.3	324.4 ± 24.8
DAY 8	MEAN±S.D.	324.5 ± 24.0 [23]b	328.4 ± 22.9	331.9 ± 19.7	325.7 ± 21.9	325.5 ± 27.2
DAY 9	MEAN±S.D.	329.3 ± 24.5 [23]b	330.2 ± 21.0	334.0 ± 20.3	329.0 ± 23.0	329.4 ± 24.9
DAY 10	MEAN±S.D.	333.0 ± 27.7 [23]b	332.8 ± 23.3	338.3 ± 19.9	332.5 ± 22.2	332.3 ± 22.4
DAY 11	MEAN±S.D.	339.8 ± 29.9 [20]c	333.2 ± 21.6 [20]c	342.4 ± 23.6 [20]c	333.0 ± 21.6 [20]c	339.0 ± 22.9 [20]c
DAY 12	MEAN±S.D.	335.5 ± 26.2 [20]c	330.4 ± 22.3 [20]c	339.4 ± 24.2 [20]c	335.8 ± 22.9 [20]c	338.2 ± 23.0 [20]c
DAY 13	MEAN±S.D.	338.3 ± 23.0 [20]c	330.4 ± 26.1 [20]c	339.4 ± 20.9 [20]c	331.7 ± 27.2 [20]c	337.9 ± 23.9 [20]c
DAY 14	MEAN±S.D.	341.0 ± 23.5 [20]c	334.5 ± 23.3 [20]c	343.2 ± 22.9 [20]c	336.7 ± 21.4 [20]c	346.2 ± 22.6 [20]c

DAY = DAY OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values for dams that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B5 (PAGE 2): MATERNAL BODY WEIGHTS - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21	23	24
INCLUDED IN ANALYSES	N	20b,c	20c	20b,c	20c	20c
MATERNAL BODY WEIGHT (G)						
DAY 15	MEAN±S.D.	346.1 ± 24.3	340.2 ± 21.3	345.7 ± 22.2	339.5 ± 28.6	348.1 ± 20.1
DAY 16	MEAN±S.D.	346.1 ± 25.6	338.8 ± 22.4	346.0 ± 22.2	341.2 ± 23.9	347.0 ± 21.1
DAY 17	MEAN±S.D.	345.6 ± 25.0	337.6 ± 20.5	344.6 ± 24.0	343.0 ± 22.5	344.4 ± 22.3
DAY 18	MEAN±S.D.	340.4 ± 23.9	336.9 ± 22.7	341.2 ± 22.4	338.2 ± 23.5	343.5 ± 19.5
DAY 19	MEAN±S.D.	337.7 ± 20.9	336.6 ± 19.7	338.0 ± 22.0	340.1 ± 22.3	342.1 ± 17.1
DAY 20	MEAN±S.D.	335.5 ± 20.8	333.6 ± 18.7	339.8 ± 20.3	327.8 ± 30.8	334.6 ± 18.2
DAY 21	MEAN±S.D.	332.6 ± 22.2	331.2 ± 17.4	339.2 ± 20.5	332.5 ± 19.1	335.6 ± 17.5
DAY 22	MEAN±S.D.	328.6 ± 21.8	330.5 ± 15.9	338.6 ± 23.6	332.3 ± 25.3	336.9 ± 14.9

DAY = DAY OF LACTATION
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values for dams that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B6 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (CARRIER)	II 0.1	III 1.0	IV 3.0	V 10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21	23	24
INCLUDED IN ANALYSES	N	23b	23	21b	23	24
MATERNAL BODY WEIGHT CHANGE (G)						
DAYS 1 - 4	MEAN±S.D.	+10.9 ± 11.2	+7.2 ± 13.1	+11.1 ± 13.1	+9.0 ± 12.0	+12.1 ± 9.0
DAYS 4 - 7	MEAN±S.D.	+9.1 ± 9.7	+6.8 ± 11.6	+8.0 ± 6.8	+6.5 ± 9.2	+3.5 ± 9.4
DAYS 7 - 11	MEAN±S.D.	+10.8 ± 13.6	+11.4 ± 9.4	+13.7 ± 9.1	+9.9 ± 13.0	+11.8 ± 9.7
DAYS 1 - 11	MEAN±S.D.	+31.8 ± 17.1	+27.3 ± 10.7	+33.6 ± 14.5	+26.4 ± 15.4	+30.0 ± 9.8
DAYS 11 - 14	MEAN±S.D.	+1.1 ± 14.2 [20]c	+1.4 ± 12.8 [20]c	+0.8 ± 7.8 [20]c	+3.7 ± 13.4 [20]c	+7.2 ± 9.3 [20]c
DAYS 11 - 22	MEAN±S.D.	-11.3 ± 18.9 [20]c	-2.6 ± 16.9 [20]c	-3.8 ± 15.1 [20]c	-0.7 ± 17.9 [20]c	-2.2 ± 13.2 [20]c
DAYS 14 - 22	MEAN±S.D.	-12.4 ± 15.6 [20]c	-4.0 ± 16.7 [20]c	-4.6 ± 16.3 [20]c	-4.4 ± 15.4 [20]c	-9.3 ± 14.7 [20]c
DAYS 1 - 22	MEAN±S.D.	+20.4 ± 20.5 [20]c	+24.6 ± 16.9 [20]c	+29.8 ± 19.6 [20]c	+25.7 ± 18.9 [20]c	+27.8 ± 16.8 [20]c

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values for dams that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS (SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B7 (PAGE 1): MATERNAL ABSOLUTE WATER CONSUMPTION VALUES (G/DAY) - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
INCLUDED IN ANALYSES	N	25	22b	22	23	24
MATERNAL WATER CONSUMPTION (G/DAY)						
DAYS 0 - 6	MEAN±S.D.	39.7 ± 7.5	39.6 ± 6.9 [21]b	41.3 ± 5.2 [21]b	43.9 ± 6.6	42.7 ± 6.4 [21]b
DAYS 6 - 10	MEAN±S.D.	45.0 ± 9.7 [24]b	45.5 ± 8.4 [21]b	45.1 ± 5.9 [21]b	47.1 ± 8.0 [21]b	48.2 ± 9.6 [22]b
DAYS 10 - 15	MEAN±S.D.	52.9 ± 12.2	51.2 ± 8.9 [20]b	52.6 ± 9.2 [21]b	54.6 ± 10.9 [22]b	56.5 ± 10.5 [23]b
DAYS 15 - 18	MEAN±S.D.	56.1 ± 14.4 [24]b	56.2 ± 10.9 [21]b	57.0 ± 8.3 [21]b	61.4 ± 11.9 [21]b	61.5 ± 9.0 [21]b
DAYS 18 - 21	MEAN±S.D.	51.6 ± 8.9 [24]b	50.1 ± 7.1	52.0 ± 6.6	52.8 ± 6.6	53.1 ± 6.9
DAYS 0 - 21	MEAN±S.D.	48.4 ± 9.3 [24]b	47.8 ± 7.2	49.0 ± 6.0	51.3 ± 7.7	51.9 ± 7.8

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values that were associated or appeared associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B8 (PAGE 1): MATERNAL RELATIVE WATER CONSUMPTION VALUES (G/KG/DAY) - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (CARRIER)	II 0.1	III 1.0	IV 3.0	V 10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
INCLUDED IN ANALYSES	N	25	22b	22	23	24
MATERNAL WATER CONSUMPTION (G/KG/DAY)						
DAYS 0 - 6	MEAN±S.D.	148.0 ± 24.5	145.6 ± 23.7 [21]b	151.5 ± 18.2 [21]b	161.8 ± 23.6	157.8 ± 21.2 [21]b
DAYS 6 - 10	MEAN±S.D.	155.0 ± 29.4 [24]b	152.7 ± 24.9 [21]b	151.4 ± 17.0 [21]b	159.4 ± 26.1 [21]b	163.4 ± 30.7 [22]b
DAYS 10 - 15	MEAN±S.D.	165.5 ± 32.5	157.2 ± 22.2 [20]b	161.9 ± 26.4 [21]b	168.2 ± 30.3 [22]b	176.3 ± 32.6 [23]b
DAYS 15 - 18	MEAN±S.D.	158.0 ± 33.7 [24]b	157.1 ± 30.3 [21]b	158.3 ± 24.6 [21]b	171.3 ± 30.9 [21]b	173.1 ± 29.8 [21]b
DAYS 18 - 21	MEAN±S.D.	129.0 ± 18.5 [24]b	124.9 ± 15.0	127.9 ± 13.3	129.1 ± 13.1	131.9 ± 19.1
DAYS 0 - 21	MEAN±S.D.	152.2 ± 23.7 [24]b	148.6 ± 19.4	152.1 ± 18.3	159.0 ± 21.0	162.8 ± 25.2

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values that were associated or appeared associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B9 (PAGE 1): MATERNAL ABSOLUTE WATER CONSUMPTION VALUES (G/DAY) - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21	23	24
INCLUDED IN ANALYSES	N	22b,c	22c	21b	23	23c
MATERNAL WATER CONSUMPTION (G/DAY)						
DAYS 1 - 4	MEAN±S.D.	55.2 ± 7.6	54.0 ± 9.6 [21]c	57.3 ± 9.1	57.0 ± 8.5 [20]c	56.8 ± 11.7
DAYS 4 - 7	MEAN±S.D.	69.6 ± 5.0	66.1 ± 9.7	70.9 ± 6.2	70.0 ± 7.7	69.2 ± 9.8 [22]c
DAYS 7 - 10	MEAN±S.D.	73.0 ± 6.3 [19]c	69.4 ± 8.6 [18]c	75.0 ± 7.8 [17]c	73.4 ± 7.0 [19]c	75.4 ± 10.0 [17]c
DAYS 1 - 10	MEAN±S.D.	65.7 ± 5.0 [19]c	61.9 ± 8.2 [18]c	67.9 ± 6.1 [17]c	66.1 ± 6.3 [19]c	66.0 ± 9.3 [17]c

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values that were associated or appeared associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B10 (PAGE 1): MATERNAL RELATIVE WATER CONSUMPTION VALUES (G/KG/DAY) - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (CARRIER)	II 0.1	III 1.0	IV 3.0	V 10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21	23	24
INCLUDED IN ANALYSES	N	22b,c	22c	21b	23	23c
MATERNAL WATER CONSUMPTION (G/KG/DAY)						
DAYS 1 - 4	MEAN±S.D.	178.4 ± 25.3	171.7 ± 30.0 [21]c	181.9 ± 31.7	181.5 ± 27.4 [20]c	179.5 ± 32.2
DAYS 4 - 7	MEAN±S.D.	219.3 ± 22.6	204.5 ± 25.9	218.2 ± 19.3	218.7 ± 28.5	215.8 ± 30.5 [22]c
DAYS 7 - 10	MEAN±S.D.	226.4 ± 16.7 [19]c	213.1 ± 25.0 [18]c	225.2 ± 19.9 [17]c	225.2 ± 22.9 [19]c	228.9 ± 28.9 [17]c
DAYS 1 - 10	MEAN±S.D.	209.5 ± 17.2 [19]c	194.9 ± 26.1 [18]c	209.4 ± 20.1 [17]c	207.4 ± 23.8 [19]c	203.2 ± 25.1 [17]c

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values that were associated or appeared associated with spillage.

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B11 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
MATERNAL FEED CONSUMPTION (G/DAY)						
DAYS 0 - 6	MEAN±S.D.	22.2 ± 2.3	22.8 ± 2.7	23.3 ± 2.1	23.6 ± 1.8	23.0 ± 2.7
DAYS 6 - 10	MEAN±S.D.	25.5 ± 3.8	26.4 ± 3.0	26.5 ± 3.1	26.5 ± 2.5	26.1 ± 3.2
DAYS 10 - 15	MEAN±S.D.	27.1 ± 3.4	27.8 ± 3.3	27.6 ± 3.2	26.9 ± 2.8	27.6 ± 3.2
DAYS 15 - 18	MEAN±S.D.	30.1 ± 3.3	29.7 ± 3.1	30.3 ± 3.3	30.4 ± 3.1	30.9 ± 3.6
DAYS 18 - 21	MEAN±S.D.	26.7 ± 2.9 [24]b	26.0 ± 2.4	27.3 ± 3.5	26.8 ± 2.8	27.3 ± 3.1
DAYS 0 - 21	MEAN±S.D.	25.6 ± 2.6 [24]b	26.1 ± 2.5	26.5 ± 2.6	26.4 ± 2.0	26.5 ± 2.8

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values that were associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B12 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
MATERNAL FEED CONSUMPTION (G/KG/DAY)						
DAYS 0 - 6	MEAN±S.D.	82.7 ± 5.8	83.7 ± 6.5	85.5 ± 5.2	86.8 ± 4.2	85.4 ± 7.5
DAYS 6 - 10	MEAN±S.D.	87.4 ± 9.4	88.4 ± 5.6	88.9 ± 7.0	89.5 ± 6.4	88.8 ± 6.9
DAYS 10 - 15	MEAN±S.D.	84.9 ± 6.6	85.3 ± 5.6	85.1 ± 6.4	83.2 ± 6.9	85.8 ± 6.1
DAYS 15 - 18	MEAN±S.D.	84.8 ± 4.6	82.5 ± 5.8	83.6 ± 5.2	84.1 ± 4.9	85.9 ± 6.0
DAYS 18 - 21	MEAN±S.D.	67.4 ± 4.2 [24]b	64.8 ± 3.8	67.1 ± 6.4	65.6 ± 4.9	67.6 ± 5.5
DAYS 0 - 21	MEAN±S.D.	81.2 ± 4.7 [24]b	81.1 ± 3.8	82.1 ± 4.7	81.9 ± 3.0	82.8 ± 5.4

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values that were associated with spillage.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B13 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21	23	24
INCLUDED IN ANALYSES	N	23b	23	21b	23	24
MATERNAL FEED CONSUMPTION (G/DAY)						
DAYS 1 - 4	MEAN±S.D.	31.8 ± 5.9 [22]c	30.8 ± 5.9 [22]c	33.4 ± 5.7	33.5 ± 6.1 [22]c	33.2 ± 9.4 [22]c
DAYS 4 - 7	MEAN±S.D.	45.1 ± 4.7	42.8 ± 6.8	44.6 ± 5.2	44.5 ± 5.8	43.3 ± 8.1
DAYS 7 - 11	MEAN±S.D.	57.4 ± 5.9 [20]d	53.4 ± 5.9 [20]d	56.5 ± 4.4 [17]c,d	54.8 ± 5.0 [20]d	57.5 ± 5.8 [20]d
DAYS 1 - 11	MEAN±S.D.	46.4 ± 4.8 [20]d	43.8 ± 5.3 [20]d	46.6 ± 4.8 [17]c,d	45.7 ± 4.6 [20]d	46.6 ± 6.6 [20]d
DAYS 11 - 14e	MEAN±S.D.	61.9 ± 5.0 [20]d	58.9 ± 6.3 [20]d	62.2 ± 4.5 [20]d	62.6 ± 6.0 [19]c,d	63.4 ± 5.3 [20]d
DAYS 14 - 22e	MEAN±S.D.	66.3 ± 5.0 [20]d	64.2 ± 4.7 [20]d	66.8 ± 4.6 [20]d	65.8 ± 6.2 [20]d	66.6 ± 5.4 [20]d
DAYS 11 - 22e	MEAN±S.D.	65.1 ± 4.8 [20]d	62.7 ± 4.8 [20]d	65.5 ± 4.2 [20]d	64.9 ± 5.7 [20]d	65.7 ± 5.1 [20]d
DAYS 1 - 22e	MEAN±S.D.	56.2 ± 4.2 [20]d	53.8 ± 4.4 [20]d	56.4 ± 3.7 [20]d	55.8 ± 4.6 [20]d	56.7 ± 5.4 [20]d

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values that were associated with spillage.
d. Excludes values for dams that were sacrificed for thyroid evaluation.
e. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B14 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N	24	23	21	23	24
INCLUDED IN ANALYSES	N	23b	23	21b	23	24
MATERNAL FEED CONSUMPTION (G/KG/DAY)						
DAYS 1 - 4	MEAN±S.D.	103.3 ± 19.3 [22]c	97.7 ± 18.7 [22]c	106.1 ± 18.7	106.6 ± 17.7 [22]c	104.6 ± 26.0 [22]c
DAYS 4 - 7	MEAN±S.D.	141.5 ± 15.4	132.7 ± 19.6	137.2 ± 15.0	138.6 ± 18.6	133.9 ± 20.5
DAYS 7 - 11	MEAN±S.D.	172.1 ± 16.5 [20]d	163.2 ± 16.4 [20]d	169.6 ± 10.0 [17]c,d	167.1 ± 11.7 [20]d	172.8 ± 13.3 [20]d
DAYS 1 - 11	MEAN±S.D.	143.3 ± 15.8 [20]d	136.7 ± 14.4 [20]d	143.7 ± 13.8 [17]c,d	142.4 ± 12.5 [20]d	143.0 ± 15.7 [20]d
DAYS 11 - 14e	MEAN±S.D.	183.2 ± 14.0 [20]d	177.2 ± 13.3 [20]d	182.4 ± 9.6 [20]d	186.7 ± 13.3 [19]c,d	186.2 ± 10.4 [20]d
DAYS 14 - 22e	MEAN±S.D.	195.8 ± 12.9 [20]d	191.4 ± 12.3 [20]d	195.7 ± 11.9 [20]d	195.3 ± 10.3 [20]d	194.7 ± 10.7 [20]d
DAYS 11 - 22e	MEAN±S.D.	192.5 ± 12.3 [20]d	187.6 ± 11.3 [20]d	192.2 ± 10.2 [20]d	193.1 ± 9.2 [20]d	192.6 ± 9.5 [20]d
DAYS 1 - 22e	MEAN±S.D.	169.8 ± 12.9 [20]d	164.3 ± 10.6 [20]d	169.1 ± 10.1 [20]d	169.7 ± 9.0 [20]d	169.8 ± 11.1 [20]d

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for dams that died or were moribund sacrificed.
c. Excludes values that were associated with spillage.
d. Excludes values for dams that were sacrificed for thyroid evaluation.
e. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B15 (PAGE 1): NATURAL DELIVERY OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS ASSIGNED TO NATURAL DELIVERY	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
DELIVERED LITTERS	N(%)	24(96.0)b	23(100.0)	21(95.4)c	23(100.0)	24(100.0)
DURATION OF GESTATION d	MEAN±S.D.	23.0 ± 0.4	22.8 ± 0.4	22.9 ± 0.3	22.9 ± 0.4	22.9 ± 0.3
IMPLANTATION SITES	N	371	368	347	389	386
PER DELIVERED LITTER	MEAN±S.D.	15.4 ± 2.1	16.0 ± 1.7	16.5 ± 1.6	16.9 ± 2.6*	16.1 ± 2.8
DAMS WITH STILLBORN PUPS	N(%)	4(16.7)	3(13.0)	5(23.8)	2(8.7)	3(12.5)
DAMS WITH NO LIVEBORN PUPS	N	0	0	0	0	0
GESTATION INDEX e	%	96.0	100.0	95.4	100.0	100.0
	N/N	24/ 25	23/ 23	21/ 22	23/ 23	24/ 24
DAMS WITH ALL PUPS DYING DAYS 1-4 POSTPARTUM f	N(%)	0	0	0	0	0
DAMS WITH ALL PUPS DYING DAYS 5-22 POSTPARTUM g	N(%)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	0(0.0)

a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Dam 19503 was found dead on day 22 of gestation.
c. Dam 19550 was found dead on day 22 of gestation.
d. Calculated as the time (in days) elapsed between confirmed mating (arbitrarily defined as 0 day) and the time (in days) the first pup was delivered.
e. Number of rats with live offspring/number of pregnant rats.
f. Excludes values for dam 19563, which was moribund sacrificed on day 1 of lactation. Pups were sacrificed.
g. Excludes values for dams which were sacrificed for thyroid evaluation.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B16 (PAGE 1): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	24	23	21	23	24
PUPS DELIVERED (TOTAL)	N	349	336	327	369	353
	MEAN±S.D.	14.5 ± 1.8	14.6 ± 2.5	15.6 ± 1.5	16.0 ± 2.7*	14.7 ± 3.0
LIVEBORN	MEAN±S.D.	14.3 ± 1.6	14.4 ± 2.4	15.3 ± 1.4	15.5 ± 3.0	14.6 ± 3.2
	N(%)	344(98.6)	332(98.8)	321(98.5)	357(96.7)	350(99.2)
STILLBORN	MEAN±S.D.	0.2 ± 0.5	0.2 ± 0.5	0.2 ± 0.5	0.2 ± 0.6	0.1 ± 0.3
	N(%)	5(1.4)	4(1.2)	6(1.8)	4(1.1)	3(0.8)
UNKNOWN VITAL STATUS	N	0	0	0	8**	0
PUPS FOUND DEAD OR PRESUMED CANNIBALIZED						
DAY 1	N/N(%)	1/344(0.3)	1/332(0.3)	2/321(0.6)	2/357(0.6)	3/350(0.8)
DAYS 2- 5	N/N(%)	3/330(0.9)b	6/331(1.8)	4/319(1.2)	5/355(1.4)	7/347(2.0)
DAYS 6- 8	N/N(%)	1/184(0.5)	2/183(1.1)	0/168(0.0)	0/183(0.0)	0/187(0.0)
DAYS 9-12	N/N(%)	0/160(0.0)	2/159(0.0)	0/160(0.0)	0/160(0.0)	1/161(0.6)
DAYS 13-14	N/N(%)	0/120(0.0)	0/121(0.0)	0/121(0.0)	0/120(0.0)	0/120(0.0)
DAYS 15-18	N/N(%)	0/120(0.0)	3/121(2.5)	1/121(0.8)	0/120(0.0)	0/120(0.0)
DAYS 19-22	N/N(%)	0/120(0.0)	0/118(0.0)	0/120(0.0)	0/120(0.0)	0/120(0.0)
VIABILITY INDEX c	%	99.1	97.9	98.1	98.0	97.1
	N/N	327/330b	325/332	315/321	350/357	340/350
LACTATION INDEX d	%	81.1	73.3	75.0	75.0	74.5
	N/N	120/148	118/161	120/160	120/160	120/161

DAY(S) = DAY(S) POSTPARTUM
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for litter 19563; the dam was moribund sacrificed on day 1 of lactation and the pups were sacrificed.
c. Number of live pups on day 5 (preculling) postpartum/number of liveborn pups on day 1 postpartum.
d. Number of live pups on day 22 (weaning) postpartum/number of live pups on day 5(postculling) postpartum.
* Significantly different from the carrier group value ($p \leq 0.05$).
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B16 (PAGE 2): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	24	23	21	23	24
SURVIVING PUPS/LITTER b						
DAY 1 c	MEAN±S.D.	14.3 ± 1.6	14.4 ± 2.4	15.3 ± 1.4	15.5 ± 3.0	14.6 ± 3.2
DAY 5 PRECULLING	MEAN±S.D.	14.2 ± 1.6 [23]d	14.1 ± 2.2	15.0 ± 1.5	15.2 ± 3.2	14.2 ± 3.0
DAY 5 POSTCULLING	MEAN±S.D.	8.0 ± 0.0 [23]d	8.0 ± 0.2	8.0 ± 0.0	8.0 ± 0.2	7.8 ± 1.0
DAY 8	MEAN±S.D.	8.0 ± 0.2 [23]d	7.9 ± 0.3	8.0 ± 0.0	8.0 ± 0.2	7.8 ± 1.0
DAY 12	MEAN±S.D.	6.0 ± 0.0 [20]e	6.0 ± 0.2 [20]e	6.0 ± 0.2 [20]e	6.0 ± 0.0 [20]e	6.0 ± 0.0 [20]e
DAY 14	MEAN±S.D.	6.0 ± 0.0 [20]e	6.0 ± 0.2 [20]e	6.0 ± 0.2 [20]e	6.0 ± 0.0 [20]e	6.0 ± 0.0 [20]e
DAY 18	MEAN±S.D.	6.0 ± 0.0 [20]e	5.9 ± 0.3 [20]e	6.0 ± 0.0 [20]e	6.0 ± 0.0 [20]e	6.0 ± 0.0 [20]e
DAY 22	MEAN±S.D.	6.0 ± 0.0 [20]e	5.9 ± 0.3 [20]e	6.0 ± 0.0 [20]e	6.0 ± 0.0 [20]e	6.0 ± 0.0 [20]e

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Average number of live pups per litter, including litters with no surviving pups.
c. Includes pups born alive, found dead day 1 postpartum.
d. Excludes values for litter 19563; the dam was moribund sacrificed on day 1 of lactation and the pups were sacrificed.
e. Excludes values for rats that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B16 (PAGE 3): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	24	23	21	23	24
PERCENT MALE PUPS PER NUMBER OF PUPS SEXED						
DAY 1 b	MEAN±S.D.	49.4 ± 14.4	49.9 ± 15.6	44.6 ± 12.1	52.5 ± 12.3	48.6 ± 16.0
DAY 5 PRECULLING	MEAN±S.D.	49.2 ± 15.0 [23]c	50.3 ± 16.6	45.2 ± 12.8	52.9 ± 12.3	48.9 ± 16.2
DAY 5 POSTCULLING	MEAN±S.D.	50.5 ± 5.9 [23]c	49.0 ± 9.6	48.8 ± 3.8	51.4 ± 3.8	47.9 ± 10.8
DAY 8	MEAN±S.D.	50.8 ± 6.1 [23]c	49.0 ± 9.8	48.8 ± 3.8	51.4 ± 3.8	47.9 ± 10.8
DAY 12	MEAN±S.D.	50.0 ± 0.0 [20]d	49.6 ± 1.6 [20]d	49.6 ± 1.6 [20]d	50.0 ± 0.0 [20]d	50.0 ± 0.0 [20]d
DAY 14	MEAN±S.D.	50.0 ± 0.0 [20]d	49.6 ± 1.6 [20]d	49.6 ± 1.6 [20]d	50.0 ± 0.0 [20]d	50.0 ± 0.0 [20]d
DAY 18	MEAN±S.D.	50.0 ± 0.0 [20]d	50.0 ± 3.2 [20]d	50.0 ± 0.0 [20]d	50.0 ± 0.0 [20]d	50.0 ± 0.0 [20]d
DAY 22	MEAN±S.D.	50.0 ± 0.0 [20]d	50.0 ± 3.2 [20]d	50.0 ± 0.0 [20]d	50.0 ± 0.0 [20]d	50.0 ± 0.0 [20]d

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Includes pups born alive, found dead day 1 postpartum.
c. Excludes values for litter 19563; the dam was moribund sacrificed on day 1 of lactation and the pups were sacrificed.
d. Excludes values for rats that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B16 (PAGE 4): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	24	23	21	23	24
LIVE LITTER SIZE AT WEIGHING						
DAY 1	MEAN±S.D.	14.3 ± 1.7	14.4 ± 2.4	15.2 ± 1.5	15.4 ± 3.1	14.4 ± 3.1
DAY 5 PRECULLING	MEAN±S.D.	14.2 ± 1.6 [23]b	14.1 ± 2.2	15.0 ± 1.5	15.2 ± 3.2	14.2 ± 3.0
DAY 5 POSTCULLING	MEAN±S.D.	8.0 ± 0.0 [23]b	8.0 ± 0.2	8.0 ± 0.0	8.0 ± 0.2	7.8 ± 1.0
DAY 8	MEAN±S.D.	8.0 ± 0.2 [23]b	7.9 ± 0.3	8.0 ± 0.0	8.0 ± 0.2	7.8 ± 1.0
DAY 12	MEAN±S.D.	8.0 ± 0.0 [20]c	8.0 ± 0.2 [20]c	8.0 ± 0.0 [20]c	8.0 ± 0.0 [20]c	8.0 ± 0.0 [20]c
DAY 14	MEAN±S.D.	6.0 ± 0.0 [20]c	6.0 ± 0.2 [20]c	6.0 ± 0.2 [20]c	6.0 ± 0.0 [20]c	6.0 ± 0.0 [20]c
DAY 18	MEAN±S.D.	6.0 ± 0.0 [20]c	5.9 ± 0.3 [20]c	6.0 ± 0.0 [20]c	6.0 ± 0.0 [20]c	6.0 ± 0.0 [20]c
DAY 22	MEAN±S.D.	6.0 ± 0.0 [20]c	5.9 ± 0.3 [20]c	6.0 ± 0.0 [20]c	6.0 ± 0.0 [20]c	6.0 ± 0.0 [20]c

[ ] = NUMBER OF VALUES AVERAGED
DAY = DAY POSTPARTUM
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for litter 19563; the dam was moribund sacrificed on day 1 of lactation and the pups were sacrificed.
c. Excludes values for rats that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B16 (PAGE 5): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	24	23	21	23	24
PUP WEIGHT/LITTER (G)						
DAY 1	MEAN±S.D.	6.7 ± 0.6	6.6 ± 0.5	6.6 ± 0.5	6.6 ± 0.5	6.8 ± 0.5
DAY 5 PRECULLING	MEAN±S.D.	10.3 ± 1.3 [23]b	10.0 ± 1.2	9.9 ± 1.3	9.9 ± 1.2	10.5 ± 1.3
DAY 5 POSTCULLING	MEAN±S.D.	10.4 ± 1.4 [23]b	10.2 ± 1.2	10.0 ± 1.3	10.1 ± 1.3	10.6 ± 1.2
DAY 8	MEAN±S.D.	17.6 ± 2.3 [23]b	16.6 ± 2.5	16.6 ± 2.3	16.6 ± 2.2	17.5 ± 2.2
DAY 12	MEAN±S.D.	28.2 ± 2.7 [20]c	26.6 ± 3.9 [20]c	27.1 ± 2.4 [20]c	27.5 ± 2.8 [20]c	28.3 ± 2.9 [20]c
DAY 14	MEAN±S.D.	34.8 ± 3.1 [20]c	32.8 ± 4.4 [20]c	33.8 ± 2.5 [20]c	34.1 ± 3.1 [20]c	35.2 ± 3.3 [20]c
DAY 18	MEAN±S.D.	45.6 ± 4.0 [20]c	43.5 ± 5.0 [20]c	44.8 ± 2.8 [20]c	45.8 ± 4.2 [20]c	46.4 ± 3.5 [20]c
DAY 22	MEAN±S.D.	60.4 ± 5.2 [20]c	57.5 ± 6.8 [20]c	59.1 ± 4.1 [20]c	59.0 ± 6.2 [20]c	60.5 ± 5.4 [20]c

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for litter 19563; the dam was moribund sacrificed on day 1 of lactation and the pups were sacrificed.
c. Excludes values for rats that were sacrificed for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B17 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 22 POSTPARTUM - SUMMARY -- F1 GENERATION PUPS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
LITTERS EXAMINED (N)		24	23	21	23	24
TRANSIENT CLINICAL OBSERVATIONS: b						
LESION c	N/N	0/ 0	2/ 1	0/ 0	0/ 0	3/ 1
COLD TO TOUCH	N/N	1/ 1	0/ 0	30/ 2	0/ 0	0/ 0
NOT PROPERLY GROOMED	N/N	1/ 1	0/ 0	30/ 2	0/ 0	0/ 0
AMNIOTIC SAC, PLACENTA AND UMBILICAL CORD NOT REMOVED	N/N	0/ 0	0/ 0	30/ 2	0/ 0	0/ 0
NESTING AND NURSING ACTIVITY NOT NORMAL	N/N	0/ 0	0/ 0	30/ 2	0/ 0	0/ 0
BACK: SUBCUTANEOUS ABSCESSES	N/N	0/ 0	9/ 1	0/ 0	0/ 0	0/ 0
RIGHT HINDLIMB: SWOLLEN	N/N	0/ 0	4/ 1	0/ 0	0/ 0	0/ 0
PERSISTENT CLINICAL OBSERVATIONS: b						
UMBILICAL HERNIA	N/N	0/ 0	4/ 1	0/ 0	1/ 1	0/ 0
TIP OF TAIL: BLACK	N/N	0/ 0	0/ 0	0/ 0	0/ 0	3/ 1

N/N = TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS
STATISTICAL ANALYSES WERE RESTRICTED TO THE NUMBER OF LITTERS WITH OBSERVATIONS.
a. Dosage occurred on day 0 of presumed gestation through day 10 of lactation.
b. Tabulation restricted to adverse observations; all other pups appeared normal.
c. Located on the right side or back of left hindlimb.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B18 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED b	N	25	25	25	25	25
MORTALITY	N	2	0	1	0	0
FOUND DEAD	N	1c	0	1d	0	0
MORIBUND SACRIFICED	N	1e	0	0	0	0
APPEARED NORMAL	N	23	25	22	25	25
STOMACH:						
DISTENDED WITH GAS	N	0	0	1d	0	0
CECUM:						
DISTENDED WITH GAS	N	0	0	1d	0	0
LIVER:						
LARGE	N	0	0	1	0	0
MOTTLED, TAN TO RED	N	0	0	1	0	0
UTERUS:						
HYDROMETRA, MODERATE	N	0	0	1	0	0
PORTION OF LEFT HORN, PROLAPSED	N	1e	0	0	0	0
DIAPHRAGM:						
RIGHT LATERAL AND MEDIAN LOBES OF LIVER PROTRUDED	N	1	0	0	0	0

a. Dosage occurred on day 0 of presumed gestation through day 10 of lactation.
b. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.
c. Dam 19503 was found dead on day 22 of gestation and appeared normal at necropsy.
d. Dam 19550 was found dead on day 22 of gestation.
e. Dam 19563 was moribund sacrificed on day 1 of lactation.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B19 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS(%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (CARRIER)	II 0.1	III 1.0	IV 3.0	V 10.0
RATS TESTED	N	25	25	25	25	25
PREGNANT	N	25	23	22	23	24
INCLUDED IN ANALYSES	N	20b,c	20b,c	20b,c	20c	20c
TERMINAL BODY WEIGHT	MEAN±S.D.	328.6 ± 21.8	330.5 ± 15.9	338.6 ± 23.6	332.3 ± 25.3	336.9 ± 14.9
THYROID	MEAN±S.D.	0.030 ± 0.004	0.028 ± 0.003	0.029 ± 0.004	0.030 ± 0.003	0.031 ± 0.005
THYROID (% TBW)d	MEAN±S.D.	9.102 ± 1.376	8.559 ± 0.905	8.706 ± 1.144	8.924 ± 1.224	9.336 ± 1.580

ALL WEIGHTS WERE RECORDED IN GRAMS (G). % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Dosage occurred on day 0 of gestation through day 10 of lactation.
b. Excludes values for rats that died or were moribund sacrificed.
c. Excludes values for dams that were sacrificed for thyroid evaluation.
d. Values were multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B20 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)a		0 (CARRIER)	0.1	1.0	3.0	10.0
LITTERS EXAMINED	N	24	23	21	23	24
MORTALITY b,c	N	8	10	11	6	12
STILLBORN	N	5	2	5	2	3
FOUND DEAD	N	3	7	5	4	9
NO MILK IN STOMACH d	N(%)	1(33.3)	2(28.6)	4(80.0)	1(25.0)	1(11.1)
KIDNEYS: LEFT KIDNEY FUSED WITH RIGHT KIDNEY	N(%)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	1(8.3)
RIGHT VENTRAL THORAX: PUNCTURE	N(%)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	1(8.3)
PUPS SACRIFICED AND NECROPSIED ON DAYS 1, 5 OR 10 POSTPARTUM c						
LITTERS EVALUATED	N	24	23	21	23	24
PUPS EVALUATED	N	180	164	155	190	179
APPEARED NORMAL						
LITTER INCIDENCE	N(%)	24(100.0)	22(95.6)	21(100.0)	23(100.0)	24(100.0)
PUP INCIDENCE	N(%)	180(100.0)	158(96.3)**	155(100.0)	190(100.0)	179(100.0)
THYROID: APPEARED CONGESTED						
LITTER INCIDENCE	N(%)	0(0.0)	1(4.3)	0(0.0)	0(0.0)	0(0.0)
PUP INCIDENCE	N(%)	0(0.0)	6(3.6)**	0(0.0)	0(0.0)	0(0.0)

a. Dosage occurred on day 0 of presumed gestation through day 10 of lactation.
b. Restricted to pups in which complete necropsies were performed. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation.
c. Refer to the individual pup clinical observations table (Table B32) for external clinical observations confirmed at necropsy.
d. Analysis restricted to pups found dead and necropsied.
** Significantly different from the carrier control group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY
RAT #		DESCRIPTION
19503	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(22)	FOUND DEAD
19505	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19508	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19513	DG(0- 23)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19519	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19520	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19523	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19526	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19530	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(3- 22)	LOCALIZED ALOPECIA: LIMBS a
19549	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19556	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19558	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19561	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19563	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1)	PROLAPSED UTERUS a
	DL(1)	MORIBUND SACRIFICED
19565	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY
RAT #		DESCRIPTION
19571	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19580	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19582	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(12- 22)	LOCALIZED ALOPECIA: LIMBS a
19585	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19608	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(13- 21)	NECK: LESION (0.3 CM X 0.4 CM)
	DL(1)	NECK: LESION (0.3 CM X 0.4 CM)
	DL(2)	LESION HEALED
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19610	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19611	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19614	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19621	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19625	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
19501	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(10- 22)	LOCALIZED ALOPECIA: LIMBS a
19511	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19514	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19515	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19516	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19524	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19527	DG(0- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(11- 15)	STRAUB TAIL
	DG(16)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(17- 21)	STRAUB TAIL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19531	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19533	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19534	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19536	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19542	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19562	DG(0- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(11- 15)	HYPERREACTIVITY
	DG(16- 18)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(19)	HYPERREACTIVITY
	DG(20- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
19566	DG(0- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(14)	HYPERREACTIVITY
	DG(15)	REPETITIVE SNIFFING
	DG(16- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19575	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19576	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19590	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(4- 22)	LOCALIZED ALOPECIA: LIMBS a
19593	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(5- 22)	LOCALIZED ALOPECIA: LIMBS a
19594	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19599	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19602	DG(0- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(11)	HYPERREACTIVITY
	DG(12- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19605	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19609	DG(0- 11)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(12)	HYPERREACTIVITY
	DG(12)	HYPERACTIVITY
	DG(13)	REPETITIVE SNIFFING
	DG(14- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(21- 22)	LOCALIZED ALOPECIA: LIMBS a
19615	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19619	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP III		1.0 MG/KG/DAY
RAT #		DESCRIPTION
19504	DG(0- 16)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(12- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(17)	REPETITIVE SNIFFING
	DG(18- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	LOCALIZED ALOPECIA: LIMBS a
19509	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(22)	HYPERREACTIVITY
	DG(23- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19510	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19518	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19521	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19535	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19538	DG(0- 11)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(12)	HYPERREACTIVITY
	DG(13- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19539	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19547	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19550	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(22)	FOUND DEAD
19555	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19567	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19568	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19578	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 6): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP III		1.0 MG/KG/DAY
RAT #		DESCRIPTION
19579	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19584	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19586	DG(0- 16)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(17)	REPETITIVE SNIFFING
	DG(18- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19587	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19588	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19589	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(15- 17)	CHROMORHINORRHEA
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19592	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19596	DG(0- 14)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(15)	REPETITIVE SNIFFING
	DG(16- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19597	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19603	DG(0- 14)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(15)	REPETITIVE SNIFFING
	DG(16- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19616	DG(0- 9)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(10- 13)	HYPERREACTIVITY
	DG(14- 18)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(19)	STRAUB TAIL
	DG(20- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(5- 22)	LOCALIZED ALOPECIA: LIMBS a

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 7): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP IV		3.0 MG/KG/DAY
RAT #		DESCRIPTION
19506	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19507	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19517	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19522	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19525	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19537	DG(0- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(12- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(14- 16)	STRAUB TAIL
	DG(14- 16)	REPETITIVE SNIFFING
	DG(17)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(18)	REPETITIVE SNIFFING
	DG(19- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	LOCALIZED ALOPECIA: LIMBS a
19544	DG(0- 16)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(17)	REPETITIVE SNIFFING
	DG(18- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19545	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 14)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(15)	STRAUB TAIL
	DL(16- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19554	DG(0- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(14)	HYPERREACTIVITY
	DG(15- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19557	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19569	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 8): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP IV		3.0 MG/KG/DAY
RAT #		DESCRIPTION
19573	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19577	DG(0- 14)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(3- 4)	CHROMODACRYORRHEA
	DG(13- 20)	CHROMODACRYORRHEA
	DG(15- 16)	REPETITIVE SNIFFING
	DG(17- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(18- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	LOCALIZED ALOPECIA: LIMBS a
19581	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19583	DG(0- 16)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(17)	REPETITIVE SNIFFING
	DG(18- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19598	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19600	DG(0- 16)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(17)	HYPERREACTIVITY
	DG(18- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19604	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(22)	HYPERREACTIVITY
19606	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19607	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19612	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19617	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19618	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19622	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19623	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE B21 (PAGE 9): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP V		10.0 MG/KG/DAY
RAT #		DESCRIPTION
19502	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19512	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19528	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(10)	TAIL: SHEATH MISSING a
19529	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19532	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(18- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(19- 21)	LOCALIZED ALOPECIA: UNDERSIDE
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	LOCALIZED ALOPECIA: LIMBS a
	DL(1- 22)	LOCALIZED ALOPECIA: UNDERSIDE a
19540	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19541	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19543	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19546	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19548	DG(0- 31)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19551	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19552	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19553	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19559	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B21 (PAGE 10): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP V		10.0 MG/KG/DAY
RAT #		DESCRIPTION
19560	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19564	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19570	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19572	DG(0- 9)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(10)	HYPERREACTIVITY
	DG(11- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19574	DG(0- 17)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DG(18)	HYPERREACTIVITY
	DG(19- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19591	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19595	DG(0- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19601	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19613	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19620	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL
19624	DG(0- 21)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DL(1- 22)	AUTONOMIC FUNCTIONS APPEARED NORMAL

DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 1): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503 P	250.	249.	255.	265.	271.	279.	283.	286.	288.	298.	306.	315.	323.
19505 P	264.	264.	270.	276.	279.	284.	292.	292.	300.	303.	305.	313.	319.
19508 P	232.	235.	245.	244.	255.	260.	265.	261.	262.	269.	277.	281.	288.
19513 P	258.	248.	267.	269.	282.	279.	282.	290.	293.	298.	307.	311.	318.
19519 P	234.	234.	239.	250.	256.	257.	255.	264.	262.	273.	275.	280.	288.
19520 P	282.	280.	283.	294.	308.	314.	324.	322.	325.	340.	352.	355.	370.
19523 P	279.	274.	282.	290.	296.	301.	300.	305.	311.	319.	325.	325.	330.
19526 P	256.	255.	262.	274.	282.	279.	288.	287.	296.	298.	301.	314.	316.
19530 P	261.	261.	267.	278.	288.	291.	292.	300.	307.	319.	321.	334.	340.
19549 P	240.	242.	247.	258.	258.	260.	265.	266.	272.	276.	279.	287.	286.
19556 P	274.	273.	280.	294.	295.	300.	307.	306.	318.	326.	323.	340.	333.
19558 P	245.	238.	248.	252.	258.	261.	263.	268.	275.	284.	282.	285.	294.
19561 P	263.	261.	268.	272.	278.	280.	282.	289.	300.	308.	312.	331.	325.
19563 P	245.	256.	269.	270.	285.	287.	282.	291.	299.	302.	304.	318.	326.
19565 P	268.	272.	279.	277.	284.	285.	285.	289.	296.	308.	309.	314.	318.
19571 P	231.	231.	241.	242.	255.	261.	255.	266.	266.	269.	280.	290.	296.
19580 P	272.	268.	279.	287.	287.	295.	302.	308.	312.	320.	326.	332.	337.
19582 P	252.	250.	258.	263.	261.	270.	267.	277.	285.	286.	292.	296.	301.
19585 P	253.	250.	254.	263.	277.	273.	280.	285.	289.	298.	314.	322.	336.
19608 P	241.	245.	253.	261.	260.	258.	258.	260.	265.	263.	277.	280.	285.
19610 P	262.	270.	281.	281.	282.	289.	289.	299.	302.	307.	322.	308.	299.
19611 P	247.	254.	268.	270.	270.	276.	276.	286.	284.	291.	294.	301.	308.
19614 P	234.	244.	250.	256.	256.	260.	256.	254.	260.	264.	273.	277.	281.
19621 P	256.	264.	275.	280.	276.	274.	279.	296.	298.	310.	310.	320.	328.
19625 P	252.	253.	262.	266.	269.	274.	281.	284.	288.	292.	298.	306.	318.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 2): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503 P	323.	332.	344.	352.	352.	393.	414.	424.	443.	457.	a		
19505 P	324.	331.	343.	348.	375.	386.	396.	407.	425.	434.			
19508 P	287.	295.	308.	306.	323.	337.	353.	373.	384.				
19513 P	320.	326.	331.	339.	348.	357.	378.	390.	396.	404.	412.		
19519 P	290.	298.	295.	309.	319.	341.	358.	375.	376.	384.			
19520 P	367.	382.	390.	399.	417.	439.	462.	475.	477.	489.			
19523 P	340.	349.	352.	373.	387.	404.	426.	443.	460.				
19526 P	326.	326.	344.	346.	364.	384.	394.	409.	425.				
19530 P	345.	356.	367.	384.	396.	415.	428.	451.	468.				
19549 P	299.	301.	306.	315.	332.	340.	359.	368.	381.				
19556 P	345.	348.	356.	372.	386.	411.	414.	429.	438.				
19558 P	305.	309.	314.	321.	337.	352.	367.	365.	378.	389.			
19561 P	340.	341.	350.	361.	375.	395.	409.	420.	455.				
19563 P	336.	344.	358.	362.	382.	409.	418.	433.	457.				
19565 P	326.	331.	337.	341.	352.	367.	387.	398.	414.	426.			
19571 P	299.	301.	310.	320.	332.	351.	356.	376.	393.				
19580 P	356.	359.	371.	389.	404.	425.	431.	456.	476.				
19582 P	302.	309.	318.	325.	339.	352.	357.	372.	388.	391.			
19585 P	339.	346.	344.	365.	386.	392.	412.	433.	452.				
19608 P	289.	292.	300.	318.	326.	344.	354.	368.	382.				
19610 P	321.	330.	329.	343.	358.	370.	384.	398.	421.	427.			
19611 P	312.	318.	325.	338.	350.	360.	372.	381.	405.				
19614 P	289.	299.	311.	321.	338.	349.	364.	380.	391.				
19621 P	334.	332.	347.	365.	372.	381.	389.	415.	430.				
19625 P	315.	318.	324.	334.	357.	363.	370.	390.	413.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam 19503 was found dead on day 22 of gestation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 3): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
19501 P	250.	246.	254.	258.	262.	271.	270.	279.	274.	285.	292.	293.	300.
19511 P	272.	274.	279.	288.	299.	305.	301.	304.	311.	324.	335.	335.	343.
19514 P	260.	258.	268.	281.	286.	291.	296.	302.	302.	306.	313.	322.	329.
19515 NP	242.	251.	257.	264.	272.	282.	283.	288.	291.	301.	309.	309.	312.
19516 NP	295.	287.	292.	303.	311.	308.	286.	308.	312.	320.	314.	306.	319.
19524 P	292.	302.	307.	317.	328.	330.	328.	339.	346.	363.	360.	370.	373.
19527 P	258.	261.	268.	284.	293.	300.	307.	310.	318.	326.	332.	345.	347.
19531 P	260.	258.	271.	277.	286.	289.	295.	303.	308.	318.	325.	328.	338.
19533 P	242.	239.	253.	260.	260.	251.	268.	269.	278.	278.	279.	284.	290.
19534 P	274.	271.	281.	290.	280.	280.	301.	304.	286.	317.	325.	334.	339.
19536 P	252.	256.	264.	267.	275.	266.	278.	277.	294.	296.	295.	305.	315.
19542 P	264.	265.	274.	275.	283.	284.	292.	296.	299.	313.	318.	326.	328.
19562 P	243.	248.	259.	270.	275.	274.	281.	282.	282.	295.	300.	306.	314.
19566 P	268.	269.	280.	291.	295.	302.	308.	312.	320.	327.	336.	350.	357.
19575 P	245.	243.	246.	254.	257.	259.	260.	260.	274.	276.	283.	289.	287.
19576 P	239.	236.	239.	252.	257.	259.	261.	269.	277.	285.	292.	296.	295.
19590 P	269.	264.	277.	282.	283.	290.	288.	292.	306.	302.	306.	319.	323.
19593 P	252.	256.	263.	271.	271.	278.	278.	285.	288.	297.	302.	316.	315.
19594 P	254.	252.	262.	273.	276.	281.	286.	290.	292.	297.	302.	307.	311.
19599 P	245.	248.	254.	257.	262.	265.	267.	275.	280.	286.	292.	301.	304.
19602 P	264.	272.	283.	288.	289.	298.	302.	308.	311.	316.	307.	333.	323.
19605 P	258.	264.	274.	279.	285.	289.	298.	306.	308.	313.	322.	317.	335.
19609 P	240.	244.	248.	254.	258.	262.	264.	273.	276.	276.	282.	290.	295.
19615 P	262.	264.	279.	279.	281.	291.	287.	297.	300.	304.	308.	317.	318.
19619 P	253.	258.	267.	264.	269.	274.	277.	284.	286.	290.	295.	310.	311.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 4): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
19501 P	306.	320.	326.	334.	352.	363.	392.	408.	401.				
19511 P	338.	352.	354.	367.	380.	396.	408.	428.	445.				
19514 P	341.	339.	344.	358.	371.	388.	404.	414.	422.				
19515 NP	316.	308.	312.	311.	309.	301.	304.	310.	300.	293.	308.	310.	305.
19516 NP	328.	323.	326.	316.	329.	340.	341.	316.	326.	330.	334.	334.	340.
19524 P	386.	389.	401.	405.	405.	428.	434.	438.	444.				
19527 P	354.	359.	361.	379.	388.	408.	427.	432.	457.				
19531 P	345.	347.	350.	363.	382.	404.	412.	430.	450.				
19533 P	297.	302.	305.	318.	326.	346.	323.	364.	382.				
19534 P	350.	364.	369.	385.	397.	411.	428.	445.	456.				
19536 P	313.	319.	323.	338.	347.	372.	346.	384.	398.				
19542 P	338.	339.	347.	359.	373.	398.	372.	416.	439.				
19562 P	323.	333.	342.	349.	361.	384.	401.	407.	423.				
19566 P	362.	368.	379.	398.	410.	382.	436.	442.	464.				
19575 P	297.	300.	305.	314.	326.	348.	363.	371.	392.				
19576 P	305.	304.	310.	325.	333.	349.	369.	381.	404.				
19590 P	328.	333.	346.	348.	372.	388.	392.	408.	425.	429.			
19593 P	327.	334.	324.	346.	373.	390.	400.	417.	433.				
19594 P	318.	319.	322.	329.	348.	355.	360.	372.	379.				
19599 P	309.	311.	329.	338.	350.	367.	389.	400.	426.				
19602 P	337.	342.	350.	336.	374.	388.	401.	408.	434.				
19605 P	343.	347.	355.	368.	389.	403.	411.	427.	439.	442.			
19609 P	300.	310.	320.	325.	345.	362.	383.	393.	409.				
19615 P	330.	335.	339.	352.	351.	362.	376.	392.	399.	415.			
19619 P	318.	332.	328.	346.	358.	374.	384.	404.	421.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 5): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 26	27	28	29	30	31
RAT #	DOSAGE GROUP II		0.1 MG/KG/DAY			
19501 P						
19511 P						
19514 P						
19515 NP	296.	300.	298.	307.	311.	310.
19516 NP	338.	347.	354.	353.	351.	353.
19524 P						
19527 P						
19531 P						
19533 P						
19534 P						
19536 P						
19542 P						
19562 P						
19566 P						
19575 P						
19576 P						
19590 P						
19593 P						
19594 P						
19599 P						
19602 P						
19605 P						
19609 P						
19615 P						
19619 P						

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 6): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP III				1.0 MG/KG/DAY								
19504 P	248.	244.	250.	264.	235.	272.	272.	273.	278.	287.	297.	308.	314.
19509 NP	273.	252.	281.	297.	304.	309.	308.	319.	318.	328.	330.	330.	338.
19510 NP	251.	239.	246.	251.	258.	259.	258.	263.	264.	267.	268.	263.	268.
19518 NP	238.	258.	259.	268.	263.	256.	274.	276.	272.	277.	278.	280.	288.
19521 P	280.	271.	282.	289.	300.	299.	303.	310.	314.	322.	334.	340.	345.
19535 P	278.	277.	288.	298.	307.	309.	321.	321.	330.	343.	342.	362.	366.
19538 P	259.	259.	269.	280.	284.	284.	290.	294.	300.	307.	307.	318.	321.
19539 P	262.	271.	274.	286.	296.	297.	305.	305.	313.	318.	326.	329.	337.
19547 P	240.	243.	248.	257.	265.	263.	272.	274.	280.	287.	287.	297.	300.
19550 P	277.	278.	287.	294.	301.	299.	301.	311.	317.	321.	321.	342.	339.
19555 P	252.	252.	262.	266.	273.	279.	285.	286.	299.	306.	300.	315.	313.
19567 P	263.	270.	277.	288.	290.	292.	300.	307.	312.	313.	321.	333.	329.
19568 P	243.	251.	261.	260.	268.	264.	268.	267.	276.	275.	284.	290.	293.
19578 P	267.	268.	275.	286.	290.	292.	293.	302.	308.	314.	318.	320.	325.
19579 P	265.	267.	280.	286.	292.	295.	299.	304.	310.	316.	322.	329.	338.
19584 P	239.	237.	247.	250.	258.	255.	267.	265.	270.	278.	278.	288.	295.
19586 P	264.	271.	281.	287.	287.	295.	297.	307.	315.	316.	324.	333.	341.
19587 P	250.	266.	269.	273.	280.	285.	289.	304.	307.	314.	319.	324.	339.
19588 P	254.	254.	266.	271.	271.	271.	275.	280.	287.	286.	280.	289.	306.
19589 P	241.	239.	249.	255.	258.	262.	266.	280.	282.	285.	295.	298.	307.
19592 P	262.	267.	276.	279.	280.	290.	293.	296.	295.	301.	307.	311.	323.
19596 P	257.	259.	272.	276.	281.	281.	286.	294.	288.	301.	305.	314.	316.
19597 P	240.	242.	249.	256.	248.	258.	262.	261.	267.	273.	274.	278.	280.
19603 P	261.	263.	273.	272.	278.	277.	285.	285.	289.	294.	300.	308.	307.
19616 P	254.	254.	268.	267.	272.	277.	286.	290.	297.	299.	302.	309.	317.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 7): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP III			1.0 MG/KG/DAY									
19504 P	316.	324.	337.	349.	354.	371.	392.	407.	425.	433.			
19509 NP	338.	337.	339.	325.	322.	326.	342.	331.	321.	319.	334.	336.	341.
19510 NP	270.	274.	273.	274.	276.	280.	279.	269.	273.	279.	276.	283.	276.
19518 NP	272.	276.	277.	270.	264.	271.	275.	273.	266.	263.	264.	273.	271.
19521 P	355.	364.	368.	386.	398.	412.	444.	462.	461.				
19535 P	371.	379.	391.	407.	412.	432.	449.	456.	480.				
19538 P	328.	334.	345.	358.	370.	395.	407.	421.	438.				
19539 P	350.	355.	357.	360.	373.	398.	415.	421.	436.				
19547 P	312.	320.	324.	334.	348.	373.	370.	398.	415.	422.			
19550 P	349.	352.	357.	370.	392.	402.	417.	435.	455.	a			
19555 P	321.	319.	332.	347.	372.	389.	407.	426.	433.				
19567 P	345.	349.	360.	369.	383.	411.	418.	430.	455.				
19568 P	302.	302.	306.	315.	331.	349.	364.	372.	389.				
19578 P	331.	340.	346.	360.	369.	392.	405.	416.	439.				
19579 P	341.	347.	357.	370.	380.	404.	417.	426.	446.				
19584 P	301.	298.	306.	318.	324.	341.	352.	362.	381.	277.			
19586 P	348.	354.	361.	374.	397.	414.	429.	445.	465.				
19587 P	350.	353.	363.	377.	395.	413.	424.	443.	467.				
19588 P	315.	320.	326.	334.	359.	370.	383.	406.	408.				
19589 P	310.	318.	323.	330.	354.	364.	368.	384.	410.	424.			
19592 P	323.	328.	342.	345.	369.	389.	394.	404.	410.	422.			
19596 P	325.	333.	342.	348.	364.	385.	390.	407.	424.				
19597 P	287.	291.	297.	312.	331.	337.	354.	369.	381.				
19603 P	318.	328.	333.	342.	352.	367.	380.	396.	422.				
19616 P	323.	333.	331.	346.	356.	370.	390.	403.	413.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam 19550 was found dead on day 22 of gestation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 8): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 26	27	28	29	30	31
RAT #	DOSAGE GROUP III			1.0 MG/KG/DAY		
19504 P						
19509 NP	338.	331.	343.	341.	347.	346.
19510 NP	281.	282.	288.	272.	273.	286.
19518 NP	267.	267.	277.	273.	278.	272.
19521 P						
19535 P						
19538 P						
19539 P						
19547 P						
19550 P						
19555 P						
19567 P						
19568 P						
19578 P						
19579 P						
19584 P						
19586 P						
19587 P						
19588 P						
19589 P						
19592 P						
19596 P						
19597 P						
19603 P						
19616 P						

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 9): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP IV			3.0 MG/KG/DAY									
19506 P	244.	240.	244.	263.	262.	272.	272.	272.	276.	285.	287.	286.	298.
19507 NP	264.	257.	255.	265.	269.	280.	269.	266.	278.	285.	282.	276.	279.
19517 NP	231.	226.	227.	242.	256.	256.	258.	261.	268.	270.	264.	255.	251.
19522 P	260.	268.	277.	288.	297.	302.	301.	306.	305.	318.	327.	328.	340.
19525 P	242.	243.	250.	259.	266.	276.	277.	285.	283.	288.	304.	303.	314.
19537 P	292.	297.	303.	305.	316.	322.	330.	330.	340.	347.	357.	365.	372.
19544 P	281.	286.	295.	300.	305.	315.	314.	320.	326.	338.	340.	352.	347.
19545 P	255.	256.	267.	269.	278.	278.	282.	289.	292.	309.	306.	313.	326.
19554 P	260.	260.	269.	282.	287.	291.	295.	301.	308.	323.	323.	335.	342.
19557 P	240.	245.	256.	266.	274.	278.	281.	286.	292.	302.	311.	315.	321.
19569 P	271.	273.	282.	295.	301.	306.	310.	312.	324.	332.	335.	344.	352.
19573 P	253.	254.	260.	267.	273.	271.	272.	275.	285.	294.	291.	294.	297.
19577 P	263.	269.	272.	281.	283.	296.	296.	304.	313.	316.	331.	349.	346.
19581 P	243.	251.	258.	272.	287.	246.	279.	292.	288.	304.	309.	318.	326.
19583 P	266.	267.	276.	282.	286.	288.	296.	294.	302.	308.	312.	320.	325.
19598 P	236.	238.	247.	262.	261.	264.	268.	271.	276.	280.	285.	300.	297.
19600 P	271.	280.	286.	289.	291.	294.	297.	300.	298.	297.	305.	315.	317.
19604 P	251.	258.	274.	278.	275.	291.	293.	293.	304.	304.	310.	318.	342.
19606 P	254.	264.	263.	269.	276.	278.	285.	287.	285.	296.	298.	306.	309.
19607 P	240.	242.	252.	257.	256.	243.	260.	267.	272.	277.	284.	285.	294.
19612 P	261.	264.	263.	269.	270.	275.	276.	285.	288.	292.	297.	308.	312.
19617 P	250.	252.	260.	265.	269.	272.	276.	283.	287.	292.	298.	305.	315.
19618 P	236.	244.	248.	254.	257.	261.	268.	272.	277.	280.	289.	293.	303.
19622 P	259.	256.	263.	266.	265.	272.	281.	278.	286.	293.	294.	303.	305.
19623 P	252.	250.	259.	262.	269.	270.	278.	276.	284.	295.	293.	303.	308.

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DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 10): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP IV			3.0 MG/KG/DAY									
19506 P	310.	316.	320.	332.	350.	361.	385.	417.	431.				
19507 NP	278.	287.	286.	287.	295.	301.	302.	293.	294.	298.	299.	303.	308.
19517 NP	258.	260.	261.	255.	263.	267.	264.	267.	269.	270.	265.	263.	271.
19522 P	338.	345.	350.	374.	388.	400.	429.	454.	468.	476.			
19525 P	313.	322.	327.	338.	349.	364.	389.	405.	414.				
19537 P	377.	364.	351.	389.	406.	432.	446.	472.	492.				
19544 P	363.	364.	367.	388.	398.	430.	442.	459.	475.				
19545 P	330.	330.	336.	353.	364.	384.	402.	422.	446.				
19554 P	349.	358.	371.	381.	394.	419.	430.	447.	468.				
19557 P	329.	336.	347.	364.	371.	410.	423.	431.	448.				
19569 P	357.	358.	369.	383.	395.	427.	445.	459.	485.	498.			
19573 P	302.	300.	312.	323.	330.	354.	371.	377.	386.				
19577 P	353.	360.	371.	386.	410.	433.	457.	469.	487.				
19581 P	337.	345.	347.	365.	375.	397.	409.	422.	424.	435.			
19583 P	334.	338.	346.	358.	367.	388.	407.	419.	434.	441.			
19598 P	312.	308.	325.	330.	343.	362.	381.	393.	414.				
19600 P	318.	325.	334.	351.	361.	377.	384.	400.	414.				
19604 P	341.	352.	359.	377.	392.	407.	404.	423.	456.	460.			
19606 P	317.	321.	325.	336.	342.	353.	350.	368.	384.	386.			
19607 P	290.	296.	307.	311.	328.	347.	354.	367.	378.				
19612 P	310.	324.	334.	344.	362.	367.	385.	398.	418.				
19617 P	318.	323.	333.	346.	353.	375.	381.	397.	405.				
19618 P	305.	307.	316.	328.	343.	361.	376.	393.	408.				
19622 P	315.	318.	327.	336.	344.	359.	371.	384.	406.				
19623 P	319.	318.	323.	344.	357.	375.	392.	417.	438.				

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 11): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 26	27	28	29	30	31
RAT #	DOSAGE GROUP IV			3.0 MG/KG/DAY		
19506 P						
19507 NP	308.	304.	316.	310.	307.	319.
19517 NP	270.	270.	265.	266.	270.	277.
19522 P						
19525 P						
19537 P						
19544 P						
19545 P						
19554 P						
19557 P						
19569 P						
19573 P						
19577 P						
19581 P						
19583 P						
19598 P						
19600 P						
19604 P						
19606 P						
19607 P						
19612 P						
19617 P						
19618 P						
19622 P						
19623 P						

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 12): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502 P	250.	254.	268.	276.	283.	278.	284.	294.	301.	304.	313.	322.	332.
19512 P	264.	264.	270.	279.	288.	288.	290.	292.	289.	300.	308.	317.	318.
19528 P	228.	227.	236.	249.	252.	258.	261.	269.	271.	280.	288.	291.	304.
19529 P	255.	258.	263.	271.	285.	280.	288.	291.	292.	304.	309.	309.	319.
19532 P	242.	240.	247.	255.	265.	265.	267.	275.	273.	280.	289.	289.	302.
19540 P	286.	278.	288.	298.	307.	317.	318.	322.	330.	335.	353.	352.	366.
19541 P	292.	292.	302.	314.	318.	323.	323.	331.	339.	350.	354.	361.	362.
19543 P	253.	246.	249.	254.	273.	268.	276.	275.	287.	293.	293.	305.	304.
19546 P	259.	256.	268.	279.	278.	284.	284.	288.	293.	302.	305.	319.	322.
19548 NP	241.	245.	247.	264.	260.	249.	256.	258.	264.	267.	268.	284.	274.
19551 P	269.	263.	271.	282.	290.	285.	300.	296.	308.	316.	318.	330.	334.
19552 P	245.	254.	263.	272.	265.	263.	271.	263.	273.	267.	282.	278.	292.
19553 P	264.	265.	279.	280.	293.	296.	298.	305.	312.	318.	331.	333.	340.
19559 P	242.	243.	250.	262.	264.	267.	276.	276.	282.	290.	288.	288.	303.
19560 P	268.	262.	276.	286.	292.	294.	303.	306.	312.	316.	322.	333.	338.
19564 P	238.	238.	243.	261.	271.	271.	279.	285.	292.	304.	299.	312.	319.
19570 P	264.	271.	279.	281.	285.	288.	296.	304.	317.	312.	331.	330.	336.
19572 P	252.	251.	253.	256.	259.	258.	264.	276.	276.	280.	288.	292.	302.
19574 P	252.	255.	263.	269.	272.	273.	280.	286.	286.	293.	300.	312.	318.
19591 P	247.	251.	255.	261.	263.	262.	268.	270.	276.	280.	292.	288.	298.
19595 P	263.	274.	277.	284.	285.	289.	288.	294.	297.	299.	308.	317.	329.
19601 P	260.	252.	264.	276.	269.	278.	278.	288.	285.	296.	308.	310.	320.
19613 P	233.	235.	245.	251.	254.	260.	257.	255.	262.	268.	275.	285.	296.
19620 P	256.	259.	250.	268.	271.	275.	272.	279.	290.	297.	303.	313.	318.
19624 P	255.	256.	264.	268.	268.	271.	278.	281.	282.	283.	286.	294.	290.

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 13): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502 P	331.	343.	357.	365.	387.	408.	426.	441.	454.	462.			
19512 P	321.	333.	341.	350.	364.	377.	390.	410.	422.	432.			
19528 P	310.	317.	324.	332.	347.	356.	377.	395.	398.				
19529 P	322.	334.	334.	346.	360.	370.	385.	411.	421.	415.			
19532 P	307.	310.	316.	328.	337.	354.	386.	403.	417.				
19540 P	372.	385.	401.	410.	435.	454.	474.	488.	507.	521.			
19541 P	369.	369.	374.	387.	391.	413.	430.	441.	453.	451.			
19543 P	312.	315.	324.	336.	343.	366.	381.	390.	404.				
19546 P	326.	334.	340.	354.	375.	392.	407.	425.	446.				
19548 NP	268.	264.	264.	268.	267.	263.	271.	270.	272.	263.	269.	270.	272.
19551 P	339.	338.	354.	366.	370.	404.	412.	428.	445.				
19552 P	301.	299.	309.	327.	345.	363.	380.	392.	412.				
19553 P	352.	355.	368.	377.	408.	418.	397.	449.	477.	484.			
19559 P	304.	310.	315.	318.	324.	335.	339.	343.	343.				
19560 P	346.	356.	366.	371.	384.	407.	416.	429.	440.				
19564 P	330.	333.	338.	355.	364.	386.	399.	408.	428.				
19570 P	338.	347.	354.	368.	387.	405.	420.	444.	463.	480.			
19572 P	306.	306.	320.	320.	336.	349.	367.	374.	388.				
19574 P	323.	323.	331.	345.	357.	382.	389.	406.	426.				
19591 P	297.	304.	314.	316.	338.	340.	359.	368.	380.	392.			
19595 P	330.	345.	358.	363.	387.	402.	424.	440.	462.	482.			
19601 P	323.	334.	336.	347.	370.	383.	400.	414.	434.				
19613 P	293.	300.	304.	315.	335.	359.	361.	384.	388.				
19620 P	323.	328.	350.	357.	379.	379.	397.	413.	430.				
19624 P	308.	306.	315.	323.	346.	362.	375.	395.	422.				

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B22 (PAGE 14): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 26	27	28	29	30	31
RAT #	DOSAGE GROUP V			10.0 MG/KG/DAY		
19502 P						
19512 P						
19528 P						
19529 P						
19532 P						
19540 P						
19541 P						
19543 P						
19546 P						
19548 NP	271.	275.	280.	282.	279.	284.
19551 P						
19552 P						
19553 P						
19559 P						
19560 P						
19564 P						
19570 P						
19572 P						
19574 P						
19591 P						
19595 P						
19601 P						
19613 P						
19620 P						
19624 P						

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
DAM #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503	FOUND DEAD ON DAY 22 OF GESTATION												
19505	333.	323.	329.	334.	340.	338.	341.	334.	349.	350.	345.	344.	350.
19508	254.	255.	271.	270.	280.	280.	287.	286.	282.	282.	257.	282.	289.
19513	314.	314.	332.	336.	340.	336.	344.	337.	344.	349.	374.	356.	361.
19519	263.	257.	273.	289.	302.	298.	295.	298.	298.	303.	318.	303.	311.
19520	352.	358.	354.	358.	361.	365.	370.	363.	367.	383.	371.	376.	365.
19523	329.	331.	332.	334.	329.	337.	335.	342.	345.	360.	363.	359.	359.
19526	300.	300.	307.	318.	322.	328.	335.	327.	337.	345.	343.	331.	348.
19530	325.	335.	339.	339.	344.	352.	360.	367.	367.	373.	382.	371.	375.
19549	285.	284.	286.	290.	292.	300.	291.	300.	301.	305.	a		
19556	335.	331.	334.	331.	330.	340.	333.	343.	337.	349.	355.	350.	347.
19558	283.	292.	298.	291.	298.	301.	316.	307.	313.	324.	326.	303.	325.
19561	334.	336.	343.	350.	341.	350.	352.	361.	352.	358.	364.	364.	360.
19563	342.	MORIBUND SACRIFICED ON DAY 1 OF LACTATION											
19565	302.	319.	325.	326.	336.	334.	333.	333.	343.	345.	352.	338.	343.
19571	266.	277.	283.	294.	297.	307.	301.	308.	303.	312.	311.	315.	304.
19580	355.	354.	348.	353.	346.	352.	340.	340.	346.	347.	364.	364.	351.
19582	270.	286.	292.	292.	291.	301.	299.	293.	308.	305.	299.	311.	303.
19585	329.	329.	336.	342.	332.	333.	337.	335.	342.	337.	340.	341.	340.
19608	286.	290.	308.	294.	302.	305.	311.	311.	308.	312.	a		
19610	299.	307.	311.	305.	308.	317.	325.	317.	329.	330.	328.	319.	332.
19611	299.	296.	293.	295.	296.	298.	313.	317.	318.	321.	314.	308.	324.
19614	276.	263.	258.	264.	276.	273.	287.	280.	290.	274.	a		
19621	316.	316.	309.	321.	320.	328.	333.	334.	353.	349.	350.	347.	346.
19625	304.	316.	328.	333.	328.	340.	331.	330.	342.	347.	341.	328.	333.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 2): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAY 14	15	16	17	18	19	20	21	22
	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY					
19503	FOUND DEAD ON DAY 22 OF GESTATION								
19505	342.	369.	370.	353.	365.	350.	348.	353.	347.
19508	299.	293.	294.	293.	288.	294.	298.	292.	288.
19513	356.	356.	363.	349.	344.	332.	321.	330.	318.
19519	316.	323.	327.	322.	315.	314.	319.	328.	323.
19520	372.	371.	389.	374.	380.	370.	370.	360.	368.
19523	359.	359.	364.	368.	357.	347.	356.	340.	338.
19526	353.	346.	334.	345.	350.	347.	348.	350.	321.
19530	376.	387.	381.	384.	364.	376.	374.	372.	379.
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19556	353.	368.	354.	362.	366.	359.	352.	346.	346.
19558	326.	330.	326.	336.	320.	316.	305.	305.	300.
19561	372.	373.	375.	381.	366.	361.	348.	344.	346.
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION								
19565	327.	337.	347.	347.	331.	332.	322.	309.	333.
19571	317.	314.	322.	318.	315.	319.	321.	316.	315.
19580	359.	358.	362.	367.	350.	343.	346.	294.	326.
19582	315.	326.	316.	312.	306.	312.	317.	318.	306.
19585	359.	342.	346.	345.	340.	333.	322.	332.	329.
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19610	330.	340.	342.	343.	339.	340.	339.	339.	314.
19611	304.	312.	308.	310.	325.	328.	323.	331.	321.
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19621	354.	366.	366.	365.	356.	352.	353.	363.	337.
19625	330.	352.	336.	338.	330.	329.	328.	330.	316.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 3): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
DAM #	DOSAGE GROUP II			0.1 MG/KG/DAY									
19501	285.	280.	280.	274.	283.	278.	291.	286.	294.	297.	299.	290.	298.
19511	321.	326.	325.	328.	329.	328.	327.	334.	345.	336.	345.	356.	348.
19514	307.	320.	319.	328.	333.	332.	343.	334.	344.	341.	337.	350.	345.
19515	NOT PREGNANT												
19516	NOT PREGNANT												
19524	392.	383.	368.	374.	374.	371.	368.	366.	354.	363.	a		
19527	331.	334.	343.	307.	336.	349.	350.	352.	344.	345.	a		
19531	307.	324.	328.	326.	314.	334.	328.	326.	329.	346.	337.	355.	350.
19533	283.	277.	291.	299.	297.	296.	292.	300.	302.	305.	308.	303.	305.
19534	346.	343.	352.	360.	356.	360.	360.	369.	367.	381.	373.	359.	373.
19536	303.	313.	307.	312.	318.	332.	324.	329.	336.	336.	341.	325.	325.
19542	325.	321.	319.	326.	340.	336.	334.	339.	341.	338.	a		
19562	302.	317.	321.	331.	329.	328.	327.	339.	334.	336.	351.	329.	327.
19566	359.	361.	362.	371.	370.	377.	362.	368.	363.	371.	376.	371.	382.
19575	292.	299.	299.	298.	299.	303.	306.	312.	308.	285.	316.	311.	314.
19576	286.	279.	286.	292.	295.	306.	293.	289.	290.	301.	309.	306.	307.
19590	310.	322.	324.	327.	323.	341.	337.	342.	347.	350.	352.	354.	350.
19593	291.	301.	310.	316.	316.	317.	321.	328.	339.	346.	337.	338.	332.
19594	298.	297.	298.	302.	305.	300.	319.	319.	316.	332.	322.	324.	330.
19599	305.	314.	313.	310.	310.	311.	315.	314.	323.	324.	324.	315.	319.
19602	318.	326.	330.	333.	343.	348.	350.	340.	334.	322.	342.	343.	337.
19605	318.	326.	325.	318.	316.	322.	326.	327.	337.	327.	326.	329.	331.
19609	290.	288.	303.	308.	305.	300.	299.	310.	309.	320.	306.	308.	316.
19615	314.	304.	299.	309.	305.	312.	318.	328.	334.	343.	350.	332.	350.
19619	282.	282.	286.	282.	286.	292.	297.	303.	305.	310.	312.	311.	268.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 4): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAY 14	15	16	17	18	19	20	21	22
DOSAGE GROUP II				0.1 MG/KG/DAY					
19501	306.	311.	303.	315.	299.	310.	300.	303.	310.
19511	350.	346.	355.	344.	332.	332.	333.	334.	332.
19514	352.	354.	371.	348.	356.	346.	345.	330.	336.
19515	NOT PREGNANT								
19516	NOT PREGNANT								
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19531	347.	365.	337.	360.	350.	352.	343.	330.	324.
19533	314.	317.	317.	310.	313.	322.	324.	317.	327.
19534	384.	382.	374.	369.	368.	378.	369.	374.	362.
19536	344.	337.	345.	348.	348.	350.	344.	348.	316.
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19562	312.	336.	338.	328.	333.	327.	336.	337.	334.
19566	386.	388.	388.	380.	397.	380.	372.	354.	362.
19575	320.	320.	330.	335.	332.	331.	330.	320.	329.
19576	314.	318.	314.	307.	314.	313.	315.	305.	308.
19590	351.	357.	356.	360.	359.	347.	337.	343.	344.
19593	343.	340.	358.	341.	345.	347.	332.	328.	339.
19594	320.	334.	334.	333.	331.	321.	316.	318.	324.
19599	310.	322.	312.	307.	308.	308.	302.	305.	303.
19602	334.	342.	330.	348.	336.	336.	328.	339.	342.
19605	339.	337.	327.	334.	336.	335.	334.	346.	322.
19609	306.	318.	318.	318.	314.	319.	318.	330.	336.
19615	333.	351.	334.	326.	335.	343.	347.	331.	318.
19619	325.	328.	335.	340.	332.	336.	348.	332.	342.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 5): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
DAM #	DOSAGE GROUP III				1.0 MG/KG/DAY								
19504	302.	294.	295.	299.	313.	307.	314.	320.	326.	329.	332.	336.	335.
19509	NOT PREGNANT												
19510	NOT PREGNANT												
19518	NOT PREGNANT												
19521	344.	355.	353.	358.	364.	364.	361.	374.	374.	384.	396.	390.	390.
19535	349.	353.	351.	342.	344.	347.	352.	357.	359.	366.	371.	366.	370.
19538	329.	316.	316.	325.	331.	334.	334.	341.	339.	341.	a		
19539	316.	319.	327.	339.	335.	344.	335.	345.	343.	338.	355.	341.	340.
19547	298.	307.	318.	318.	329.	328.	333.	330.	349.	353.	349.	340.	341.
19550	FOUND DEAD ON DAY 22 OF GESTATION												
19555	296.	298.	306.	307.	321.	319.	326.	330.	331.	333.	343.	346.	342.
19567	328.	338.	334.	342.	348.	350.	351.	354.	338.	343.	356.	347.	345.
19568	293.	304.	309.	305.	322.	318.	317.	328.	325.	331.	327.	340.	337.
19578	301.	311.	319.	331.	339.	333.	335.	329.	332.	339.	345.	344.	332.
19579	317.	336.	332.	337.	337.	338.	343.	350.	363.	360.	372.	357.	356.
19584	272.	285.	293.	290.	296.	294.	307.	303.	310.	318.	307.	304.	317.
19586	335.	335.	341.	345.	339.	348.	348.	349.	347.	360.	355.	366.	365.
19587	347.	334.	337.	332.	339.	338.	339.	334.	336.	342.	359.	352.	349.
19588	310.	312.	313.	307.	310.	320.	320.	316.	329.	337.	322.	326.	335.
19589	307.	316.	322.	328.	314.	318.	320.	328.	328.	330.	334.	329.	329.
19592	287.	303.	315.	315.	318.	335.	328.	334.	341.	343.	343.	353.	336.
19596	294.	314.	319.	325.	331.	332.	339.	333.	332.	335.	340.	340.	332.
19597	274.	278.	286.	286.	261.	285.	290.	292.	280.	297.	295.	289.	307.
19603	308.	309.	314.	315.	318.	320.	320.	323.	328.	322.	332.	331.	334.
19616	300.	305.	301.	295.	296.	309.	297.	300.	305.	303.	316.	292.	296.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 6): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

	DAY 14	15	16	17	18	19	20	21	22
DAM #	DOSAGE GROUP III				1.0 MG/KG/DAY				
19504	338.	341.	343.	327.	316.	320.	318.	316.	316.
19509	NOT PREGNANT								
19510	NOT PREGNANT								
19518	NOT PREGNANT								
19521	388.	386.	388.	388.	381.	379.	378.	379.	400.
19535	366.	380.	375.	378.	379.	372.	378.	372.	374.
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19539	347.	345.	352.	347.	341.	338.	333.	322.	322.
19547	358.	342.	341.	340.	340.	346.	340.	345.	335.
19550	FOUND DEAD ON DAY 22 OF GESTATION								
19555	349.	347.	349.	330.	338.	332.	340.	329.	328.
19567	351.	348.	341.	328.	332.	348.	346.	348.	343.
19568	340.	341.	342.	340.	346.	336.	328.	330.	326.
19578	348.	344.	346.	357.	349.	344.	343.	348.	355.
19579	363.	368.	369.	380.	370.	364.	380.	379.	377.
19584	310.	324.	328.	320.	318.	315.	323.	324.	328.
19586	365.	378.	380.	378.	365.	357.	346.	364.	363.
19587	362.	350.	358.	363.	353.	350.	333.	333.	335.
19588	324.	336.	340.	332.	333.	314.	330.	335.	334.
19589	329.	335.	333.	335.	319.	313.	321.	313.	310.
19592	355.	367.	350.	358.	368.	363.	360.	340.	337.
19596	333.	336.	332.	332.	325.	327.	329.	327.	326.
19597	295.	300.	297.	305.	309.	299.	309.	312.	317.
19603	341.	340.	350.	348.	331.	326.	338.	336.	330.
19616	303.	306.	305.	306.	310.	316.	322.	333.	317.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 7): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
DAM #	DOSAGE GROUP IV			3.0 MG/KG/DAY									
19506	291.	307.	302.	310.	313.	329.	327.	322.	331.	328.	336.	339.	326.
19507	NOT PREGNANT												
19517	NOT PREGNANT												
19522	307.	322.	331.	338.	344.	346.	346.	347.	340.	353.	359.	360.	362.
19525	294.	299.	298.	304.	315.	315.	319.	311.	315.	314.	333.	326.	316.
19537	352.	373.	354.	351.	352.	367.	368.	368.	372.	363.	a		
19544	346.	338.	344.	344.	358.	358.	353.	362.	365.	361.	371.	372.	370.
19545	300.	315.	317.	322.	324.	340.	326.	338.	338.	338.	346.	348.	339.
19554	336.	333.	329.	346.	345.	335.	329.	326.	332.	342.	346.	334.	338.
19557	304.	314.	315.	323.	326.	322.	320.	314.	318.	334.	349.	322.	332.
19569	343.	361.	371.	375.	374.	375.	370.	375.	383.	386.	351.	382.	394.
19573	289.	297.	292.	300.	291.	303.	299.	299.	296.	304.	308.	316.	310.
19577	340.	345.	337.	334.	338.	350.	336.	340.	345.	358.	361.	374.	357.
19581	302.	314.	311.	320.	314.	312.	317.	324.	325.	324.	337.	328.	329.
19583	306.	301.	302.	303.	301.	305.	318.	320.	326.	332.	a		
19598	274.	268.	280.	294.	299.	302.	309.	304.	299.	310.	310.	313.	313.
19600	311.	325.	321.	320.	316.	325.	322.	332.	325.	334.	339.	343.	342.
19604	331.	333.	326.	336.	333.	340.	330.	346.	351.	359.	350.	354.	343.
19606	314.	308.	299.	303.	305.	315.	311.	314.	332.	330.	a		
19607	277.	284.	294.	292.	294.	289.	303.	301.	306.	309.	304.	309.	305.
19612	306.	301.	303.	303.	302.	302.	313.	303.	308.	317.	312.	314.	311.
19617	300.	296.	289.	294.	307.	311.	310.	315.	311.	302.	293.	308.	324.
19618	286.	294.	291.	293.	294.	303.	307.	305.	299.	308.	313.	311.	321.
19622	305.	315.	315.	318.	316.	322.	322.	316.	325.	323.	319.	329.	265.
19623	290.	302.	298.	287.	295.	311.	304.	309.	324.	319.	323.	333.	336.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 8): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAY 14	15	16	17	18	19	20	21	22
	DOSAGE GROUP IV			3.0 MG/KG/DAY					
19506	341.	328.	346.	344.	341.	338.	322.	340.	360.
19507	NOT PREGNANT								
19517	NOT PREGNANT								
19522	358.	375.	376.	375.	367.	361.	346.	334.	350.
19525	317.	323.	323.	334.	333.	332.	333.	318.	311.
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19544	370.	393.	374.	381.	388.	378.	362.	365.	371.
19545	342.	347.	326.	334.	322.	338.	331.	325.	338.
19554	338.	324.	338.	348.	338.	334.	327.	328.	327.
19557	321.	350.	345.	339.	334.	341.	332.	343.	339.
19569	380.	390.	396.	400.	392.	394.	380.	366.	375.
19573	314.	329.	314.	318.	316.	325.	312.	307.	316.
19577	367.	383.	382.	366.	360.	372.	370.	369.	364.
19581	348.	335.	336.	342.	346.	323.	313.	320.	331.
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19598	320.	324.	329.	324.	320.	334.	332.	325.	323.
19600	351.	346.	343.	350.	347.	354.	348.	344.	332.
19604	350.	345.	345.	352.	347.	349.	342.	344.	339.
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19607	312.	272.	320.	327.	312.	304.	252.	312.	262.
19612	302.	320.	317.	317.	317.	312.	309.	320.	313.
19617	322.	324.	314.	329.	312.	326.	260.	310.	330.
19618	323.	325.	319.	321.	324.	322.	323.	320.	322.
19622	324.	324.	335.	332.	321.	335.	340.	347.	330.
19623	334.	333.	346.	326.	328.	330.	323.	313.	313.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 9): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAY 1	2	3	4	5	6	7	8	9	10	11	12	13
	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502	329.	332.	327.	334.	340.	350.	340.	314.	344.	347.	356.	356.	334.
19512	312.	315.	309.	314.	316.	324.	325.	320.	324.	332.	341.	355.	335.
19528	300.	298.	302.	304.	301.	295.	300.	303.	308.	309.	a		
19529	299.	307.	304.	313.	318.	322.	327.	337.	327.	338.	337.	322.	331.
19532	298.	292.	303.	301.	304.	314.	307.	303.	310.	313.	319.	325.	314.
19540	367.	374.	383.	377.	381.	378.	381.	389.	372.	382.	385.	380.	391.
19541	336.	344.	339.	351.	343.	337.	323.	341.	339.	356.	362.	355.	348.
19543	296.	305.	296.	302.	305.	312.	306.	306.	311.	314.	302.	309.	315.
19546	313.	320.	319.	326.	316.	322.	335.	338.	342.	348.	350.	312.	336.
19548	NOT PREGNANT												
19551	321.	326.	329.	330.	336.	325.	336.	340.	345.	342.	354.	362.	345.
19552	284.	303.	306.	309.	290.	306.	307.	313.	308.	303.	317.	328.	308.
19553	330.	338.	344.	354.	347.	339.	355.	358.	361.	356.	354.	360.	373.
19559	309.	301.	298.	301.	301.	302.	302.	304.	302.	308.	a		
19560	326.	340.	329.	341.	346.	344.	339.	339.	346.	344.	a		
19564	304.	317.	320.	322.	328.	313.	326.	325.	325.	339.	340.	338.	341.
19570	329.	344.	356.	360.	357.	367.	366.	370.	367.	365.	367.	372.	384.
19572	275.	292.	292.	283.	291.	290.	292.	301.	300.	305.	308.	306.	307.
19574	300.	313.	321.	323.	327.	345.	335.	329.	329.	331.	344.	336.	338.
19591	294.	287.	287.	296.	293.	288.	299.	296.	291.	303.	a		
19595	322.	334.	339.	333.	342.	353.	357.	363.	372.	350.	357.	359.	359.
19601	311.	306.	318.	319.	322.	325.	325.	330.	346.	344.	343.	341.	333.
19613	252.	277.	281.	271.	286.	278.	276.	266.	287.	298.	299.	306.	312.
19620	310.	322.	326.	330.	331.	305.	321.	323.	338.	330.	326.	316.	335.
19624	293.	300.	302.	307.	304.	316.	306.	304.	313.	318.	320.	327.	319.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B23 (PAGE 10): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAY 14	15	16	17	18	19	20	21	22
DOSAGE GROUP V				10.0 MG/KG/DAY					
19502	355.	364.	355.	354.	354.	358.	341.	351.	356.
19512	335.	340.	349.	347.	353.	340.	331.	331.	327.
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19529	338.	339.	344.	342.	342.	331.	323.	316.	330.
19532	319.	326.	339.	328.	328.	327.	318.	317.	316.
19540	394.	372.	379.	374.	356.	358.	368.	354.	353.
19541	362.	363.	358.	374.	352.	358.	345.	348.	334.
19543	308.	322.	311.	300.	326.	325.	327.	325.	324.
19546	357.	367.	360.	315.	355.	354.	348.	337.	353.
19548	NOT PREGNANT								
19551	356.	374.	364.	366.	367.	352.	342.	346.	348.
19552	334.	354.	332.	344.	339.	331.	329.	345.	334.
19553	385.	367.	375.	371.	362.	360.	346.	342.	342.
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19564	350.	354.	359.	350.	350.	350.	341.	339.	337.
19570	376.	379.	375.	373.	367.	371.	354.	349.	355.
19572	319.	317.	309.	314.	307.	307.	300.	310.	316.
19574	343.	341.	346.	344.	336.	336.	324.	333.	348.
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION								
19595	361.	356.	352.	361.	372.	357.	352.	378.	359.
19601	346.	352.	356.	355.	349.	348.	346.	335.	342.
19613	327.	319.	310.	329.	320.	336.	308.	301.	308.
19620	334.	336.	344.	322.	333.	330.	348.	331.	331.
19624	325.	320.	324.	324.	302.	313.	301.	324.	325.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 1): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #		DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503	P	26.	33.	35.	30.	31.	30.	28.	31.	32.	33.	39.	37.	34.
19505	P	30.	41.	40.	38.	38.	43.	40.	43.	43.	40.	51.	61.	62.
19508	P	37.	44.	37.	40.	41.	45.	40.	46.	42.	44.	42.	46.	43.
19513	P	a	43.	42.	39.	44.	40.	37.	42.	38.	45.	42.	42.	45.
19519	P	32.	36.	37.	33.	32.	34.	51.	40.	36.	42.	40.	43.	40.
19520	P	38.	45.	48.	49.	48.	50.	52.	52.	52.	67.b	62.	a	62.
19523	P	32.	46.	49.	55.	56.	49.	57.	51.	57.	60.	66.	74.	64.
19526	P	28.	42.	41.	45.	43.	41.	45.	41.	45.	42.	45.	48.	53.
19530	P	30.	40.	42.	40.	43.	34.	50.	49.	64.	52.	56.	48.	64.
19549	P	25.	28.	27.	29.	30.	29.	29.	31.	33.	33.	38.	35.	41.
19556	P	47.	55.	54.	53.	51.	51.	54.	61.	61.	58.	a	62.	76.
19558	P	27.	34.	29.	33.	35.	35.	38.	36.	37.	38.	41.	47.	45.
19561	P	28.	40.	39.	42.	45.	46.	48.	46.	55.	52.	58.	64.	63.
19563	P	36.	40.	38.	42.	41.	40.	39.	44.	43.	44.	51.	47.	53.
19565	P	44.	41.	42.	38.	40.	39.	41.	31.	42.	44.	45.	46.	48.
19571	P	31.	31.	35.	50.	42.	35.	52.	55.	a	46.	a	80.	53.
19580	P	35.	46.	48.	53.	53.	56.	53.	57.	68.	61.	70.	64.	77.
19582	P	22.	27.	29.	26.	32.	32.	34.	35.	34.	34.	36.	36.	36.
19585	P	30.	72.	76.b	59.	52.	66.	63.	a	82.	62.	72.	76.	83.
19608	P	30.	34.	36.	33.	29.	34.	32.	37.	34.	37.	39.	42.	39.
19610	P	42.	41.	57.	45.	47.	49.	47.	46.	48.	50.	51.	44.	54.
19611	P	28.	35.	35.	32.	32.	31.	33.	35.	36.	31.	38.	40.	41.
19614	P	36.	41.	43.	42.	34.	34.	30.	46.	42.	52.	50.	47.	60.
19621	P	40.	45.	38.	38.	30.	35.	52.	49.	51.	47.	50.	61.	60.
19625	P	33.	45.	45.	46.	48.	41.	43.	44.	46.	50.	47.	52.	51.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 2): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503 P	34.	39.	40.	42.	46.	47.	41.	40.	FOUND DEAD ON DAY 22 OF GESTATION				
19505 P	59.	70.	72.	62.	29.	65.	73.	53.					
19508 P	42.	48.	48.	42.	48.	54.	45.	36.					
19513 P	47.	45.	50.	35.	68.	70.	67.	57.	51.	47.			
19519 P	38.	38.	46.	46.	50.	52.	43.	31.					
19520 P	70.	73.	70.	72.	79.	69.	72.	43.					
19523 P	71.	72.	75.	90.	90.	a	63.	59.					
19526 P	46.	58.	56.	57.	63.	59.	45.	52.					
19530 P	50.	50.	2.	54.	41.	48.	49.	53.					
19549 P	36.	45.	12.	46.	47.	43.	40.	40.					
19556 P	67.	71.	64.	89.	a	83.	53.	49.					
19558 P	42.	45.	37.	55.	57.	61.	31.	40.	39.				
19561 P	64.	66.	67.	75.	77.	70.	59.	56.					
19563 P	51.	54.	53.	58.	58.	56.	45.	47.					
19565 P	53.	54.	46.	50.	56.	53.	37.	43.	41.				
19571 P	62.	76.	61.	a	53.	58.	50.	50.					
19580 P	73.	69.	82.	82.	85.	53.	56.	54.					
19582 P	40.	37.	47.	45.	45.	39.	44.	a	31.				
19585 P	89.	72.	85.	80.	90.	69.	69.	70.					
19608 P	37.	40.	a	48.	48.	47.	42.	41.					
19610 P	56.	51.	55.	a	67.	a	49.	51.	40.				
19611 P	42.	39.	42.	47.	49.	39.	40.	46.					
19614 P	55.	51.	55.	56.	53.	49.	39.	40.					
19621 P	59.	57.	58.	71.	44.	60.	62.	52.					
19625 P	43.	50.	58.	59.	40.	46.	42.	41.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION.
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 3): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY								
19501 P	23.	31.	29.	24.	31.	28.	31.	31.	30.	35.	37.	36.	38.
19511 P	34.	46.	44.	43.	52.	43.	45.	51.	45.	52.	51.	51.	52.
19514 P	33.	44.	42.	39.	41.	39.	38.	45.	36.	47.	41.	51.	53.
19515 NP	29.	39.	38.	36.	41.	37.	43.	35.	37.	39.	40.	38.	36.
19516 NP	37.	40.	42.	37.	37.	a	48.	39.	42.	36.	26.	37.	44.
19524 P	43.	42.	44.	52.	49.	53.	52.	55.	53.	60.	57.	61.	67.
19527 P	35.	50.	50.	55.	54.	54.	54.	60.	63.	57.	62.	52.	61.
19531 P	31.	43.	44.	48.	48.	44.	49.	46.	48.	55.	55.	52.	67.
19533 P	34.	43.	41.	41.	a	54.	43.	46.	50.	65.	55.	51.	46.
19534 P	31.	36.	34.	38.	39.	49.	45.	36.	59.	50.	55.	58.	60.
19536 P	31.	33.	30.	35.	38.	38.	41.	46.	39.	45.	48.	43.	41.
19542 P	29.	31.	31.	32.	33.	34.	35.	32.	40.	39.	40.	43.	36.
19562 P	38.	43.	40.	43.	42.	39.	42.	35.	47.	43.	45.	49.	44.
19566 P	46.	51.	54.	55.	58.	58.	58.	51.	63.	72.	a	71.	64.
19575 P	38.	34.	35.	40.	41.	42.	46.	39.	44.	45.	47.	44.	47.
19576 P	31.	31.	33.	32.	27.	31.	31.	32.	40.	34.	37.	36.	38.
19590 P	26.	37.	40.	38.	38.	38.	36.	45.	36.	34.	48.	45.	51.
19593 P	26.	36.	82.	41.	47.	a	a	a	a	a	a	a	a
19594 P	29.	35.	39.	40.	38.	41.	39.	41.	38.	41.	41.	43.	47.
19599 P	30.	35.	36.	39.	35.	37.	35.	38.	37.	42.	46.	45.	47.
19602 P	a	118.b	127.b	64.	a	a	a	a	a	a	a	a	a
19605 P	29.	a	38.	39.	51.	50.	49.	66.	71.	47.	59.	70.	59.
19609 P	81.b	33.	75.	46.	73.b	48.	37.	49.	64.	58.	63.	36.	44.
19615 P	28.	32.	31.	30.	35.	30.	35.	39.	37.	38.	38.	40.	47.
19619 P	36.	40.	41.	39.	39.	40.	53.	51.	52.	41.	64.	60.	57.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 4): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY									
19501	P	41.	37.	44.	46.	47.	48.	44.	27.					
19511	P	54.	54.	61.	52.	63.	63.	57.	51.					
19514	P	44.	48.	52.	25.	56.	55.	55.	43.					
19515	NP	31.	37.	36.	7.	12.	27.	32.	23.	21.	38.	27.	25.	20.
19516	NP	42.	35.	28.	37.	46.	46.	19.	26.	29.	38.	a	39.	31.
19524	P	65.	65.	52.	62.	64.	61.	40.	42.					
19527	P	57.	62.	63.	65.	68.	69.	41.	55.					
19531	P	52.	61.	48.	59.	66.	54.	51.	85.					
19533	P	47.	51.	52.	73.	70.	32.	60.	43.					
19534	P	57.	56.	59.	60.	69.	55.	56.	64.					
19536	P	63.	55.	53.	52.	59.	a	64.	47.					
19542	P	40.	45.	39.	48.	51.	31.	38.	40.					
19562	P	48.	58.	49.	64.	67.	66.	47.	50.					
19566	P	78.	76.	64.	92.	a	a	56.	66.					
19575	P	56.	58.	48.	62.	59.	59.	38.	45.					
19576	P	33.	40.	35.	38.	40.	42.	40.	43.					
19590	P	49.	52.	49.	62.	57.	44.	65.	54.	31.				
19593	P	a	246.b	a	97.	88.	61.	54.	53.					
19594	P	51.	44.	52.	57.	56.	44.	44.	49.					
19599	P	49.	52.	51.	57.	57.	41.	44.	63.					
19602	P	a	217.b	60.	77.	a	42.	49.	a					
19605	P	61.	188.b	a	58.	53.	41.	49.	45.	36.				
19609	P	67.	48.	48.	48.	47.	48.	40.	59.					
19615	P	44.	47.	49.	52.	45.	47.	46.	42.					
19619	P	65.	70.	63.	63.	42.	45.	46.	42.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 5): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY	
19501 P					
19511 P					
19514 P					
19515 NP	24.	26.	29.	33.	19.
19516 NP	37.	37.	36.	34.	26.
19524 P					
19527 P					
19531 P					
19533 P					
19534 P					
19536 P					
19542 P					
19562 P					
19566 P					
19575 P					
19576 P					
19590 P					
19593 P					
19594 P					
19599 P					
19602 P					
19605 P					
19609 P					
19615 P					
19619 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 6): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #		DOSAGE GROUP III			1.0 MG/KG/DAY									
19504	P	30.	42.	42.	18.	44.	45.	48.	47.	47.	52.	53.	57.	57.
19509	NP	6.	41.	50.	50.	52.	37.	47.	48.	50.	51.	45.	48.	44.
19510	NP	20.	27.	25.	24.	25.	24.	24.	27.	27.	27.	23.	26.	31.
19518	NP	43.	54.	56.	44.	40.	49.	44.	44.	35.	45.	45.	45.	27.
19521	P	24.	39.	35.	36.	33.	38.	44.	46.	40.	49.	52.	51.	52.
19535	P	35.	51.	50.	51.	57.	55.	56.	58.	60.	59.	65.	69.	63.
19538	P	30.	38.	37.	39.	40.	41.	41.	39.	41.	46.	45.	51.	45.
19539	P	55.	48.	52.	52.	48.	52.	54.	50.	59.	56.	a	69.	64.
19547	P	103.b	77.b	83.	134.b	115.b	a	a	a	a	a	a	a	a
19550	P	35.	38.	39.	41.	41.	42.	45.	40.	43.	42.	51.	48.	54.
19555	P	38.	46.	46.	56.	58.	52.	55.	53.	53.	56.	61.	59.	68.
19567	P	39.	37.	39.	41.	40.	40.	41.	39.	42.	41.	a	84.	59.
19568	P	38.	37.	38.	40.	34.	34.	35.	32.	34.	36.	37.	39.	45.
19578	P	26.	32.	32.	35.	40.	53.	35.	34.	65.	38.	59.	37.	56.
19579	P	34.	37.	41.	42.	43.	43.	43.	41.	44.	43.	45.	46.	44.
19584	P	33.	33.	36.	38.	40.	35.	32.	35.	39.	38.	41.	38.	35.
19586	P	43.	51.	59.	47.	47.	46.	a	53.	48.	49.	49.	43.	56.
19587	P	34.	39.	44.	45.	46.	51.	42.	45.	44.	47.	48.	56.	56.
19588	P	36.	40.	54.	48.	40.	43.	44.	47.	47.	44.	58.	69.	65.
19589	P	30.	35.	40.	39.	38.	39.	36.	37.	38.	44.	41.	44.	43.
19592	P	35.	35.	43.	47.	50.	48.	47.	52.	47.	48.	56.	59.	56.
19596	P	36.	39.	43.	46.	39.	40.	42.	44.	45.	48.	42.	44.	49.
19597	P	42.	50.	46.	38.	46.	50.	40.	51.	45.	46.	52.	50.	54.
19603	P	34.	47.	43.	50.	48.	42.	41.	38.	43.	50.	41.	52.	51.
19616	P	28.	43.	37.	35.	40.	37.	55.	39.	41.	44.	38.	50.	42.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 7): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP III			1.0 MG/KG/DAY									
19504 P	57.	61.	66.	61.	69.	65.	62.	48.					
19509 NP	44.	41.	34.	28.	38.	49.	37.	27.	34.	48.	42.	40.	36.
19510 NP	25.	24.	23.	26.	26.	24.	17.	20.	27.	29.	23.	18.	24.
19518 NP	38.	36.	29.	24.	41.	40.	34.	25.	25.	34.	34.	29.	29.
19521 P	55.	52.	61.	60.	61.	68.	60.	42.					
19535 P	70.	71.	38.	70.	79.	81.	51.	74.					
19538 P	45.	50.	36.	56.	54.	51.	43.	46.					
19539 P	61.	62.	33.	76.	86.	81.	46.	49.					
19547 P	a	a	140.b	a	58.	44.	55.	51.	50.				
19550 P	43.	50.	18.	58.	59.	72.	52.	50.	FOUND DEAD ON DAY 22 OF GESTATION				
19555 P	58.	68.	68.	70.	65.	77.	55.	48.					
19567 P	67.	79.	41.	52.	55.	52.	39.	48.					
19568 P	46.	48.	50.	55.	64.	59.	43.	48.					
19578 P	38.	39.	44.	45.	47.	46.	38.	46.					
19579 P	42.	45.	47.	56.	54.	57.	44.	52.					
19584 P	36.	40.	39.	48.	45.	45.	39.	41.	37.				
19586 P	51.	46.	69.	70.	66.	54.	53.	62.					
19587 P	56.	53.	63.	64.	66.	47.	50.	57.					
19588 P	68.	60.	70.	68.	69.	50.	57.	58.					
19589 P	46.	52.	56.	60.	59.	49.	52.	56.	40.				
19592 P	64.	58.	77.	74.	a	48.	59.	51.	58.				
19596 P	47.	43.	52.	56.	51.	53.	51.	53.					
19597 P	53.	57.	61.	69.	64.	50.	51.	41.					
19603 P	47.	45.	54.	56.	43.	39.	46.	48.					
19616 P	42.	55.	48.	55.	45.	48.	44.	39.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 8): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP III		1.0 MG/KG/DAY		
19504 P					
19509 NP	32.	44.	43.	42.	29.
19510 NP	25.	29.	4.	22.	20.
19518 NP	27.	38.	36.	45.	26.
19521 P					
19535 P					
19538 P					
19539 P					
19547 P					
19550 P	FOUND DEAD ON DAY 22 OF GESTATION				
19555 P					
19567 P					
19568 P					
19578 P					
19579 P					
19584 P					
19586 P					
19587 P					
19588 P					
19589 P					
19592 P					
19596 P					
19597 P					
19603 P					
19616 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 9): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP IV			3.0 MG/KG/DAY									
19506 P	29.	36.	36.	36.	34.	39.	41.	40.	32.	42.	41.	39.	39.
19507 NP	36.	33.	39.	35.	39.	36.	30.	44.	41.	40.	32.	33.	38.
19517 NP	24.	31.	44.	38.	41.	44.	47.	48.	42.	38.	29.	26.	33.
19522 P	43.	58.	61.	57.	61.	58.	58.	60.	61.	a	67.	63.	53.
19525 P	31.	48.	55.	43.	65.	48.	45.	43.	38.	42.	41.	43.	45.
19537 P	42.	46.	46.	34.	55.	54.	52.	55.	51.	56.	62.	a	68.
19544 P	36.	43.	41.	43.	40.	39.	40.	41.	46.	48.	51.	48.	54.
19545 P	34.	47.	39.	41.	41.	48.	50.	46.	58.	54.	55.	51.	46.
19554 P	50.	61.	51.	64.	66.	58.	62.	58.	a	65.	a	72.	77.
19557 P	43.	53.	45.	55.	55.	54.	51.	47.	64.	64.	58.	86.	63.
19569 P	38.	49.	45.	47.	47.	41.	44.	43.	45.	45.	49.	46.	44.
19573 P	38.	43.	38.	41.	41.	38.	40.	39.	42.	37.	46.	42.	41.
19577 P	44.	44.	55.	49.	52.	62.	54.	50.	53.	55.	a	65.	65.
19581 P	43.	48.	43.	49.	29.	56.	58.	55.	59.	59.	66.	68.	61.
19583 P	36.	36.	39.	38.	38.	38.	40.	38.	43.	45.	49.	46.	46.
19598 P	46.	41.	45.	36.	46.	45.	a	41.	53.	47.	45.	48.	54.
19600 P	39.	43.	38.	36.	38.	42.	40.	34.	33.	39.	45.	47.	47.
19604 P	42.	71.b	75.b	48.	69.b	47.	60.	a	83.	a	a	a	87.
19606 P	40.	38.	40.	39.	38.	38.	36.	44.	40.	41.	42.	51.	59.
19607 P	33.	37.	40.	38.	26.	38.	44.	45.	39.	40.	43.	38.	44.
19612 P	29.	29.	40.	44.	42.	42.	45.	46.	58.	51.	59.	55.	63.
19617 P	36.	35.	a	39.	43.	47.	44.	47.	45.	46.	51.	50.	58.
19618 P	28.	40.	40.	34.	36.	39.	32.	36.	30.	34.	37.	39.	36.
19622 P	35.	47.	49.	46.	52.	50.	51.	50.	52.	57.	62.	60.	54.
19623 P	41.	56.	58.	54.	54.	53.	59.	52.	65.	59.	67.	72.	58.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 10): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP IV				3.0 MG/KG/DAY									
19506	P	43.	46.	52.	44.	52.	52.	51.	46.					
19507	NP	36.	39.	33.	35.	50.	36.	38.	30.	39.	36.	38.	41.	38.
19517	NP	35.	32.	27.	36.	40.	41.	31.	33.	30.	28.	22.	35.	37.
19522	P	57.	55.	67.	59.	68.	64.	58.	49.	41.				
19525	P	46.	50.	60.	55.	67.	63.	52.	39.					
19537	P	52.	49.	82.	59.	a	76.	71.	57.					
19544	P	48.	52.	36.	61.	73.	66.	47.	50.					
19545	P	49.	55.	27.	32.	53.	76.	50.	60.					
19554	P	77.	71.	85.	91.	a	86.	47.	53.					
19557	P	74.	a	98.	a	89.	79.	55.	48.					
19569	P	44.	48.	51.	57.	63.	58.	46.	51.	49.				
19573	P	39.	50.	48.	67.	56.	68.	47.	46.					
19577	P	66.	68.	66.	70.	72.	64.	40.	52.					
19581	P	57.	74.	66.	65.	66.	66.	47.	46.	73.				
19583	P	47.	53.	49.	58.	59.	52.	40.	43.	42.				
19598	P	79.	66.	108.b	74.	56.	54.	45.	47.					
19600	P	50.	46.	59.	58.	58.	45.	48.	48.					
19604	P	69.	80.	a	a	73.	52.	58.	63.	39.				
19606	P	56.	50.	60.	55.	62.	50.	53.	55.	43.				
19607	P	42.	38.	44.	51.	48.	42.	39.	37.					
19612	P	69.	58.	64.	66.	81.	55.	54.	50.					
19617	P	54.	53.	68.	59.	75.	53.	49.	44.					
19618	P	36.	39.	44.	48.	49.	40.	45.	41.					
19622	P	54.	58.	64.	63.	52.	57.	50.	57.					
19623	P	58.	78.	86.	80.	60.	51.	51.	52.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 11): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP IV		3.0 MG/KG/DAY		
19506 P					
19507 NP	38.	44.	38.	41.	30.
19517 NP	32.	23.	25.	34.	25.
19522 P					
19525 P					
19537 P					
19544 P					
19545 P					
19554 P					
19557 P					
19569 P					
19573 P					
19577 P					
19581 P					
19583 P					
19598 P					
19600 P					
19604 P					
19606 P					
19607 P					
19612 P					
19617 P					
19618 P					
19622 P					
19623 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 12): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS / DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502 P	39.	49.	51.	42.	56.	93.a	53.	67.a	62.	58.	66.	63.	55.
19512 P	26.	33.	34.	34.	31.	32.	31.	37.	34.	40.	40.	39.	42.
19528 P	30.	35.	33.	33.	32.	31.	31.	33.	32.	38.	40.	43.	41.
19529 P	31.	35.	43.	37.	31.	41.	38.	40.	40.	40.	46.	47.	49.
19532 P	37.	46.	51.	49.	46.	52.	51.	56.	55.	b	67.	b	66.
19540 P	34.	53.	b	50.	66.	63.	56.	54.	52.	57.	58.	63.	62.
19541 P	40.	48.	41.	46.	59.	57.	56.	60.	66.	63.	b	63.	67.
19543 P	29.	40.	32.	56.	46.	46.	45.	50.	44.	44.	53.	60.	51.
19546 P	35.	39.	39.	59.	51.	62.	54.	56.	56.	69.	55.	66.	64.
19548 NP	45.	39.	49.	50.	40.	54.	60.	59.	55.	55.	62.	50.	38.
19551 P	42.	43.	49.	51.	43.	56.	54.	57.	57.	56.	b	b	b
19552 P	34.	44.	46.	57.	57.	64.	69.a	49.	59.	61.	56.	65.	73.
19553 P	31.	35.	33.	37.	35.	38.	36.	37.	38.	41.	42.	46.	45.
19559 P	37.	47.	43.	44.	42.	43.	39.	39.	39.	40.	36.	46.	42.
19560 P	41.	60.	54.	55.	55.	59.	60.	57.	b	67.	b	70.	70.
19564 P	29.	49.	53.	68.a	61.	74.a	64.	65.	66.	59.	b	69.	74.
19570 P	43.	42.	43.	44.	43.	49.	46.	45.	51.	48.	49.	50.	57.
19572 P	40.	43.	62.	64.	68.a	b	71.a	67.a	66.	b	75.	64.	74.
19574 P	34.	39.	42.	45.	42.	43.	41.	45.	50.	47.	51.	46.	47.
19591 P	36.	45.	55.	39.	38.	41.	47.	44.	48.	42.	47.	51.	52.
19595 P	42.	42.	43.	39.	32.	39.	26.	32.	32.	34.	36.	40.	46.
19601 P	31.	37.	48.	38.	42.	44.	43.	52.	46.	52.	55.	49.	52.
19613 P	27.	30.	36.	35.	37.	45.	41.	47.	51.	51.	51.	51.	50.
19620 P	33.	b	b	56.	42.	43.	50.	46.	54.	52.	58.	51.	61.
19624 P	41.	49.	45.	44.	48.	44.	45.	47.	43.	43.	56.	52.	55.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value appeared associated with spillage and was excluded from group averages and statistical analyses.
b. Water spillage precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 13): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502 P	53.	59.	65.	56.	68.	65.	50.	46.					
19512 P	44.	46.	46.	46.	57.	60.	53.	33.					
19528 P	39.	36.	48.	27.	51.	43.	48.	37.					
19529 P	45.	46.	46.	39.	54.	54.	52.	36.	29.				
19532 P	64.	71.	75.	68.	80.	79.	77.	49.					
19540 P	65.	63.	70.	38.	64.	69.	a	43.	47.				
19541 P	78.	70.	71.	76.	83.	a	50.	46.	58.				
19543 P	53.	60.	55.	72.	67.	61.	37.	46.					
19546 P	69.	74.	89.	a	a	a	59.	59.					
19548 NP	35.	42.	23.	39.	28.	42.	29.	33.	31.	a	33.	33.	27.
19551 P	a	a	56.	a	67.	55.	46.	49.					
19552 P	58.	63.	78.	66.	76.	56.	47.	44.					
19553 P	44.	47.	48.	57.	57.	35.	53.	50.	a				
19559 P	49.	48.	45.	54.	62.	49.	38.	37.					
19560 P	70.	85.	81.	a	a	a	57.	55.					
19564 P	74.	83.	71.	90.	a	81.	56.	58.					
19570 P	64.	61.	62.	58.	66.	49.	52.	70.	47.				
19572 P	78.	63.	79.	75.	71.	64.	60.	65.					
19574 P	49.	50.	61.	60.	61.	45.	54.	52.					
19591 P	55.	50.	65.	59.	64.	58.	67.	61.					
19595 P	56.	47.	53.	63.	65.	59.	54.	59.	53.				
19601 P	57.	51.	60.	67.	59.	53.	52.	54.					
19613 P	56.	53.	62.	67.	66.	44.	58.	44.					
19620 P	a	66.	68.	75.	50.	49.	62.	43.					
19624 P	52.	65.	61.	72.	56.	58.	51.	50.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B24 (PAGE 14): MATERNAL WATER CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP V		10.0 MG/KG/DAY		
19502 P					
19512 P					
19528 P					
19529 P					
19532 P					
19540 P					
19541 P					
19543 P					
19546 P					
19548 NP	39.	37.	43.	27.	34.
19551 P					
19552 P					
19553 P					
19559 P					
19560 P					
19564 P					
19570 P					
19572 P					
19574 P					
19591 P					
19595 P					
19601 P					
19613 P					
19620 P					
19624 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B25 (PAGE 1): MATERNAL WATER CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10
DAM #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY					
19503	FOUND DEAD ON DAY 22 OF GESTATION								
19505	30.	48.	61.	78.	55.	64.	59.	82.	64.
19508	35.	55.	59.	76.	62.	61.	72.	71.	55.
19513	55.	79.	79.	78.	75.	a	83.	88.	a
19519	22.	51.	67.	74.	69.	53.	66.	77.	76.
19520	40.	41.	60.	75.	58.	59.	67.	83.	a
19523	33.	53.	75.	75.	80.	77.	a	95.b	a
19526	49.	61.	74.	75.	74.	66.	82.	71.	91.
19530	48.	61.	75.	74.	74.	68.	78.	77.	86.
19549	37.	54.	60.	68.	68.	61.	67.	55.	78.
19556	38.	52.	73.	77.	67.	71.	a	74.	92.
19558	41.	55.	51.	60.	64.	83.	70.	69.	75.
19561	51.	53.	80.	62.	76.	70.	79.	68.	74.
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION								
19565	41.	68.	69.	71.	71.	67.	64.	79.	77.
19571	44.	53.	71.	80.	70.	66.	78.	63.	75.
19580	47.	47.	67.	55.	66.	52.	60.	66.	70.
19582	59.	68.	71.	69.	74.	55.	69.	71.	75.
19585	42.	63.	68.	76.	69.	76.	69.	85.	85.
19608	44.	58.	a	77.	59.	66.	65.	66.	65.
19610	52.	70.	80.	79.	87.	79.	81.	77.	74.
19611	33.	49.	50.	65.	66.	74.	65.	71.	69.
19614	32.	46.	58.	71.	67.	79.	65.	73.	61.
19621	40.	48.	72.	76.	74.	69.	86.	86.	a
19625	50.	64.	66.	80.	76.	60.	77.	88.	89.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B25 (PAGE 2): MATERNAL WATER CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10
DAM #	DOSAGE GROUP II			0.1 MG/KG/DAY					
19501	33.	36.	43.	45.	40.	53.	55.	57.	58.
19511	36.	48.	54.	73.	68.	57.	60.	87.	70.
19514	55.	63.	73.	82.	80.	74.	73.	84.	75.
19515	NOT PREGNANT								
19516	NOT PREGNANT								
19524	24.	32.	46.	45.	52.	56.	52.	50.	62.
19527	50.	59.	a	a	70.	62.	77.	79.	69.
19531	53.	58.	68.	71.	79.	70.	a	84.	a
19533	38.	55.	67.	69.	63.	55.	72.	65.	78.
19534	33.	71.	88.	85.	84.	87.	a	82.	a
19536	45.	60.	85.	72.	78.	70.	73.	83.	82.
19542	28.	34.	68.	67.	59.	60.	69.	60.	71.
19562	51.	53.	68.	72.	62.	73.	78.	77.	84.
19566	47.	72.	69.	77.	65.	76.	86.	75.	a
19575	50.	59.	76.	73.	67.	73.	82.	68.	a
19576	27.	47.	66.	67.	63.	54.	61.	63.	63.
19590	61.	70.	59.	70.	70.	61.	66.	68.	67.
19593	52.	58.	71.	64.	63.	66.	76.	78.	88.
19594	36.	56.	63.	61.	64.	71.	67.	63.	80.
19599	46.	48.	53.	54.	59.	61.	60.	68.	64.
19602	41.	79.	84.	129.b	83.	72.	a	a	a
19605	49.	64.	56.	62.	59.	65.	65.	64.	75.
19609	67.	72.	a	80.	62.	a	65.	74.	85.
19615	25.	48.	60.	61.	72.	89.	75.	77.	74.
19619	40.	51.	53.	46.	55.	46.	56.	53.	50.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B25 (PAGE 3): MATERNAL WATER CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAYS 1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10
	DOSAGE GROUP III			1.0 MG/KG/DAY					
19504	22.	56.	59.	87.	64.	74.	82.	83.	88.
19509	NOT PREGNANT								
19510	NOT PREGNANT								
19518	NOT PREGNANT								
19521	60.	65.	71.	87.	70.	80.	a	a	85.
19535	39.	57.	63.	76.	77.	77.	a	83.	a
19538	38.	48.	68.	84.	68.	69.	81.	76.	90.
19539	42.	55.	64.	77.	58.	71.	87.	68.	a
19547	71.	75.	78.	81.	76.	82.	72.	a	82.
19550	FOUND DEAD ON DAY 22 OF GESTATION								
19555	27.	46.	59.	71.	55.	66.	75.	69.	a
19567	42.	49.	63.	74.	63.	65.	68.	62.	82.
19568	53.	58.	70.	68.	59.	69.	80.	65.	76.
19578	42.	61.	84.	85.	58.	66.	68.	66.	74.
19579	43.	55.	64.	78.	72.	72.	87.	a	92.
19584	52.	52.	66.	70.	64.	76.	70.	81.	a
19586	41.	56.	69.	75.	65.	63.	64.	78.	79.
19587	32.	57.	52.	66.	57.	69.	49.	62.	68.
19588	44.	50.	67.	78.	73.	64.	63.	74.	75.
19589	64.	72.	73.	77.	76.	51.	75.	78.	68.
19592	72.	68.	69.	74.	80.	71.	83.	76.	77.
19596	58.	74.	88.	87.	87.	82.	76.	83.	87.
19597	45.	63.	73.	48.	81.	72.	64.	57.	75.
19603	44.	46.	48.	59.	60.	60.	69.	69.	74.
19616	46.	60.	62.	73.	69.	58.	65.	67.	73.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B25 (PAGE 4): MATERNAL WATER CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10
DAM #	DOSAGE GROUP IV			3.0 MG/KG/DAY					
19506	46.	51.	68.	79.	70.	61.	67.	73.	66.
19507	NOT PREGNANT								
19517	NOT PREGNANT								
19522	59.	67.	a	92.b	75.	86.	82.	80.	a
19525	50.	57.	80.	90.	77.	71.	80.	86.	87.
19537	51.	42.	53.	69.	64.	55.	71.	84.	56.
19544	26.	46.	56.	69.	58.	55.	71.	65.	78.
19545	48.	63.	76.	87.	71.	67.	78.	71.	78.
19554	37.	53.	72.	68.	55.	52.	51.	62.	75.
19557	47.	70.	104.b	a	73.	69.	73.	72.	85.
19569	65.	83.	77.	72.	83.	65.	80.	a	a
19573	46.	60.	68.	69.	69.	66.	84.	71.	a
19577	49.	49.	60.	72.	66.	56.	75.	78.	86.
19581	52.	73.	78.	64.	73.	69.	67.	75.	79.
19583	40.	52.	52.	55.	58.	72.	62.	68.	70.
19598	24.	83.	a	84.	73.	77.	73.	68.	81.
19600	53.	64.	52.	65.	75.	76.	78.	66.	79.
19604	62.	75.	77.	78.	83.	82.	84.	79.	88.
19606	45.	37.	46.	51.	66.	53.	68.	79.	69.
19607	45.	52.	58.	55.	56.	69.	64.	67.	66.
19612	39.	58.	68.	79.	68.	69.	67.	72.	69.
19617	43.	64.	66.	86.	83.	78.	67.	72.	61.
19618	42.	58.	66.	64.	72.	68.	72.	59.	76.
19622	49.	70.	72.	66.	68.	75.	89.	a	90.
19623	61.	55.	63.	84.	87.	62.	81.	a	a

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B25 (PAGE 5): MATERNAL WATER CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA -- Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10
DAM #	DOSAGE GROUP V			10.0 MG/KG/DAY					
19502	39.	50.	74.	86.	84.	88.	a	a	90.
19512	26.	42.	59.	69.	65.	59.	72.	80.	81.
19528	52.	62.	57.	69.	64.	79.	80.	a	79.
19529	47.	60.	67.	80.	76.	a	82.	74.	a
19532	50.	62.	65.	81.	74.	64.	76.	86.	76.
19540	a	74.	76.	84.	81.	69.	90.	69.	85.
19541	45.	61.	69.	62.	58.	60.	74.	73.	79.
19543	44.	44.	66.	67.	64.	79.	82.	81.	a
19546	38.	38.	65.	68.	74.	82.	a	90.	a
19548	NOT PREGNANT								
19551	38.	43.	56.	a	51.	63.	71.	75.	70.
19552	43.	52.	65.	59.	89.	81.	a	83.	a
19553	42.	63.	60.	68.	64.	72.	61.	73.	87.
19559	15.	35.	48.	42.	45.	45.	44.	40.	50.
19560	47.	55.	77.	72.	68.	75.	76.	82.	88.
19564	60.	71.	a	a	92.b	86.	89.	85.	a
19570	74.	90.	84.	a	84.	77.	a	a	90.
19572	44.	51.	45.	66.	57.	68.	70.	76.	80.
19574	54.	73.	77.	70.	80.	59.	62.	69.	80.
19591	32.	55.	74.	68.	74.	73.	73.	65.	71.
19595	70.	86.	88.	a	a	a	a	a	a
19601	31.	54.	69.	72.	67.	62.	67.	75.	79.
19613	56.	58.	53.	84.	64.	60.	74.	88.	a
19620	53.	53.	58.	62.	42.	63.	66.	a	73.
19624	45.	66.	80.	77.	a	53.	65.	82.	88.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Water spillage precluded the calculation of this value.
b. Value appeared associated with spillage and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #		DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503	P	17.	23.	20.	22.	21.	24.	22.	24.	26.	26.	25.	28.	27.
19505	P	18.	23.	21.	25.	23.	29.	22.	28.	26.	22.	26.	26.	33.
19508	P	21.	25.	17.	25.	22.	23.	21.	23.	22.	24.	22.	24.	25.
19513	P	17.	26.	22.	25.	23.	30.	21.	26.	27.	27.	25.	28.	32.
19519	P	19.	22.	19.	22.	18.	18.	21.	21.	22.	20.	21.	24.	25.
19520	P	23.	29.	22.	31.	27.	33.	30.	27.	31.	34.	30.	37.	35.
19523	P	17.	20.	23.	23.	27.	24.	28.	23.	28.	23.	27.	31.	23.
19526	P	19.	21.	25.	24.	26.	24.	25.	26.	25.	28.	26.	29.	26.
19530	P	22.	19.	25.	24.	24.	24.	27.	27.	30.	30.	30.	33.	30.
19549	P	18.	16.	20.	19.	21.	19.	21.	20.	22.	19.	21.	21.	22.
19556	P	22.	19.	28.	24.	31.	25.	26.	29.	30.	29.	28.	28.	31.
19558	P	18.	18.	20.	21.	25.	21.	24.	26.	26.	24.	24.	30.	23.
19561	P	19.	19.	23.	24.	26.	22.	25.	26.	27.	28.	32.	30.	26.
19563	P	24.	21.	23.	27.	24.	24.	26.	29.	27.	26.	29.	32.	27.
19565	P	24.	19.	20.	23.	29.	19.	27.	26.	26.	25.	26.	29.	25.
19571	P	16.	15.	14.	20.	21.	18.	22.	20.	19.	22.	23.	27.	24.
19580	P	17.	28.	23.	27.	23.	27.	31.	31.	28.	31.	38.	23.	38.
19582	P	15.	19.	19.	18.	20.	21.	23.	24.	22.	24.	24.	22.	24.
19585	P	15.	21.	27.	28.	27.	26.	32.	33.	32.	33.	38.	33.	32.
19608	P	16.	24.	22.	26.	15.	18.	19.	19.	19.	22.	26.	21.	22.
19610	P	17.	25.	21.	27.	23.	24.	28.	28.	28.	31.	17.	14.	25.
19611	P	16.	24.	20.	22.	22.	20.	24.	22.	22.	25.	24.	24.	28.
19614	P	18.	22.	22.	23.	20.	15.	15.	20.	15.	24.	23.	22.	30.
19621	P	22.	28.	28.	24.	25.	21.	32.	30.	32.	35.	27.	32.	33.
19625	P	19.	21.	26.	21.	26.	26.	28.	24.	26.	32.	23.	29.	27.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503 P	24.	30.	28.	34.	33.	32.	29.	25.	25.	a			
19505 P	25.	29.	30.	36.	34.	33.	34.	30.	22.				
19508 P	21.	27.	24.	23.	30.	23.	27.	21.	16.				
19513 P	23.	26.	28.	27.	32.	27.	32.	25.	20.	20.			
19519 P	22.	20.	26.	25.	30.	26.	26.	15.	18.				
19520 P	29.	35.	35.	33.	36.	36.	30.	b	18.				
19523 P	25.	30.	31.	35.	31.	33.	35.	26.					
19526 P	25.	32.	24.	32.	28.	29.	28.	26.					
19530 P	30.	32.	36.	32.	35.	32.	28.	29.					
19549 P	23.	21.	24.	27.	27.	25.	25.	23.					
19556 P	26.	27.	31.	31.	31.	30.	28.	23.					
19558 P	25.	25.	25.	30.	29.	30.	20.	22.	17.				
19561 P	29.	30.	30.	35.	36.	31.	27.	26.					
19563 P	29.	29.	36.	32.	32.	33.	28.	27.					
19565 P	26.	27.	27.	33.	28.	32.	28.	22.	22.				
19571 P	22.	24.	25.	26.	27.	26.	23.	24.					
19580 P	33.	34.	40.	34.	38.	29.	30.	30.					
19582 P	24.	25.	25.	26.	27.	25.	24.	21.	17.				
19585 P	31.	33.	33.	34.	33.	30.	27.	27.					
19608 P	22.	26.	30.	27.	28.	26.	21.	23.					
19610 P	27.	31.	30.	26.	32.	22.	25.	31.	17.				
19611 P	24.	28.	28.	25.	28.	24.	23.	26.					
19614 P	26.	29.	28.	28.	28.	26.	20.	23.					
19621 P	33.	33.	33.	40.	27.	30.	33.	27.					
19625 P	27.	26.	27.	31.	24.	24.	28.	23.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was found dead on day 22 of gestation.
b. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY									
19501	P	17.	22.	19.	20.	21.	22.	24.	22.	25.	25.	24.	25.	30.
19511	P	23.	24.	25.	28.	25.	28.	23.	28.	30.	32.	26.	28.	27.
19514	P	21.	24.	22.	25.	22.	26.	22.	28.	21.	26.	24.	26.	30.
19515	NP	17.	26.	22.	24.	25.	30.	24.	27.	29.	31.	27.	27.	30.
19516	NP	24.	26.	25.	29.	25.	17.	24.	30.	28.	25.	19.	24.	34.
19524	P	28.	26.	31.	28.	34.	28.	30.	34.	35.	35.	37.	37.	31.
19527	P	22.	23.	28.	27.	31.	27.	32.	29.	33.	36.	33.	32.	31.
19531	P	21.	23.	26.	25.	29.	28.	31.	26.	27.	30.	29.	34.	27.
19533	P	21.	22.	24.	19.	21.	24.	20.	24.	26.	23.	24.	28.	20.
19534	P	24.	20.	27.	14.	17.	26.	28.	25.	29.	32.	32.	37.	34.
19536	P	22.	18.	21.	20.	18.	20.	21.	27.	23.	22.	24.	30.	21.
19542	P	23.	21.	23.	24.	26.	22.	29.	22.	32.	28.	28.	31.	25.
19562	P	20.	20.	23.	23.	22.	23.	24.	20.	26.	25.	24.	28.	28.
19566	P	25.	24.	28.	25.	28.	28.	29.	30.	29.	30.	32.	34.	29.
19575	P	20.	15.	22.	22.	22.	19.	23.	25.	25.	23.	24.	21.	20.
19576	P	18.	16.	23.	19.	23.	22.	23.	24.	24.	25.	24.	26.	23.
19590	P	14.	26.	22.	27.	21.	25.	25.	27.	23.	25.	32.	24.	27.
19593	P	15.	21.	21.	22.	19.	22.	23.	23.	24.	25.	29.	22.	27.
19594	P	13.	21.	25.	25.	23.	25.	26.	25.	23.	27.	26.	24.	28.
19599	P	14.	23.	22.	26.	18.	22.	25.	26.	24.	28.	30.	24.	27.
19602	P	20.	28.	27.	29.	28.	29.	29.	30.	28.	27.	34.	23.	31.
19605	P	18.	26.	25.	26.	26.	29.	32.	30.	27.	28.	29.	31.	32.
19609	P	20.	22.	23.	23.	23.	24.	25.	24.	22.	23.	25.	25.	25.
19615	P	16.	23.	21.	19.	26.	20.	26.	23.	26.	32.	22.	26.	27.
19619	P	16.	22.	21.	19.	22.	21.	24.	22.	24.	24.	24.	24.	27.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 4): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
19501 P	27.	29.	27.	33.	32.	30.	29.	19.					
19511 P	24.	26.	28.	29.	28.	27.	26.	32.	12.				
19514 P	22.	29.	30.	32.	33.	29.	30.	24.					
19515 NP	19.	25.	27.	22.	21.	19.	24.	20.	13.	20.	19.	19.	15.
19516 NP	22.	28.	21.	25.	35.	30.	22.	19.	21.	24.	21.	24.	22.
19524 P	39.	36.	31.	38.	36.	31.	26.	32.					
19527 P	28.	34.	34.	37.	32.	37.	23.	29.					
19531 P	26.	25.	25.	35.	32.	26.	28.	27.					
19533 P	25.	23.	27.	26.	26.	17.	23.	29.					
19534 P	36.	35.	34.	38.	34.	34.	28.	24.					
19536 P	26.	26.	28.	31.	31.	19.	24.	27.					
19542 P	28.	28.	28.	33.	30.	26.	23.	23.					
19562 P	28.	28.	29.	31.	30.	31.	23.	27.					
19566 P	33.	32.	33.	34.	17.	32.	31.	31.					
19575 P	26.	27.	25.	28.	27.	27.	22.	27.					
19576 P	23.	23.	23.	28.	25.	26.	25.	24.					
19590 P	32.	27.	31.	28.	34.	22.	28.	22.	14.				
19593 P	28.	24.	28.	30.	31.	27.	28.	24.					
19594 P	25.	25.	29.	26.	27.	22.	25.	23.					
19599 P	24.	32.	30.	26.	32.	25.	23.	30.					
19602 P	30.	30.	25.	29.	33.	26.	26.	25.					
19605 P	28.	31.	37.	34.	34.	28.	27.	22.	17.				
19609 P	27.	28.	28.	27.	31.	27.	24.	26.					
19615 P	29.	30.	22.	28.	26.	24.	28.	20.	22.				
19619 P	27.	26.	24.	28.	24.	22.	25.	18.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 5): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP II		0.1 MG/KG/DAY		
19501 P					
19511 P					
19514 P					
19515 NP	17.	15.	26.	21.	14.
19516 NP	23.	27.	28.	24.	19.
19524 P					
19527 P					
19531 P					
19533 P					
19534 P					
19536 P					
19542 P					
19562 P					
19566 P					
19575 P					
19576 P					
19590 P					
19593 P					
19594 P					
19599 P					
19602 P					
19605 P					
19609 P					
19615 P					
19619 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 6): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP III			1.0 MG/KG/DAY									
19504 P	18.	27.	23.	17.	25.	27.	26.	27.	31.	27.	32.	30.	32.
19509 NP	13.	19.	27.	30.	26.	27.	26.	27.	31.	25.	27.	27.	26.
19510 NP	16.	20.	17.	22.	20.	20.	18.	20.	22.	20.	17.	20.	23.
19518 NP	23.	25.	22.	19.	13.	22.	19.	25.	19.	20.	20.	26.	19.
19521 P	16.	24.	20.	24.	19.	24.	23.	26.	24.	29.	28.	28.	30.
19535 P	24.	25.	32.	30.	30.	31.	31.	31.	36.	35.	36.	39.	32.
19538 P	20.	20.	26.	25.	24.	25.	27.	30.	26.	27.	29.	30.	26.
19539 P	24.	24.	25.	27.	32.	25.	32.	29.	31.	30.	29.	34.	28.
19547 P	22.	17.	20.	23.	21.	23.	23.	23.	25.	22.	26.	27.	25.
19550 P	25.	24.	27.	28.	28.	26.	30.	29.	29.	28.	33.	32.	28.
19555 P	21.	20.	20.	24.	30.	20.	27.	27.	28.	25.	28.	28.	25.
19567 P	24.	22.	27.	24.	26.	26.	28.	27.	24.	27.	31.	30.	31.
19568 P	25.	21.	23.	23.	24.	20.	23.	21.	23.	21.	24.	25.	22.
19578 P	20.	21.	35.	22.	25.	22.	25.	32.	25.	25.	22.	22.	24.
19579 P	23.	22.	25.	27.	27.	27.	28.	30.	30.	32.	30.	30.	28.
19584 P	19.	17.	23.	22.	21.	21.	19.	22.	24.	21.	25.	25.	22.
19586 P	17.	25.	25.	27.	24.	27.	31.	28.	30.	30.	32.	27.	31.
19587 P	18.	25.	22.	29.	24.	28.	29.	31.	28.	32.	36.	28.	34.
19588 P	16.	24.	23.	24.	21.	22.	25.	24.	21.	16.	19.	29.	30.
19589 P	16.	22.	23.	26.	21.	25.	27.	26.	26.	26.	30.	23.	26.
19592 P	19.	21.	21.	29.	23.	25.	26.	25.	25.	27.	32.	22.	24.
19596 P	21.	24.	23.	28.	22.	25.	25.	25.	26.	26.	28.	25.	29.
19597 P	21.	20.	23.	17.	20.	22.	25.	25.	23.	22.	22.	21.	25.
19603 P	15.	22.	22.	19.	22.	23.	23.	25.	24.	26.	22.	23.	26.
19616 P	19.	26.	21.	21.	24.	27.	25.	24.	25.	25.	25.	27.	27.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 7): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP III			1.0 MG/KG/DAY									
19504 P	28.	32.	31.	29.	37.	35.	32.	26.	20.				
19509 NP	21.	27.	18.	20.	23.	28.	25.	15.	14.	31.	25.	27.	23.
19510 NP	18.	20.	20.	20.	24.	21.	18.	18.	19.	22.	18.	17.	18.
19518 NP	19.	22.	17.	13.	24.	22.	22.	9.	13.	14.	15.	14.	15.
19521 P	26.	28.	31.	30.	37.	31.	33.	25.					
19535 P	35.	38.	38.	37.	37.	40.	30.	31.					
19538 P	28.	32.	31.	34.	33.	33.	24.	25.					
19539 P	27.	23.	26.	33.	32.	33.	26.	25.					
19547 P	26.	26.	26.	30.	31.	27.	24.	26.	24.				
19550 P	29.	31.	30.	37.	32.	35.	33.	30.	a				
19555 P	25.	27.	25.	36.	31.	31.	28.	26.					
19567 P	25.	29.	29.	30.	35.	31.	25.	26.					
19568 P	24.	24.	25.	28.	26.	31.	28.	24.					
19578 P	24.	23.	28.	28.	28.	28.	32.	27.					
19579 P	28.	30.	30.	32.	35.	31.	26.	27.					
19584 P	22.	24.	25.	26.	25.	26.	20.	21.	22.				
19586 P	27.	31.	34.	33.	37.	30.	27.	32.					
19587 P	33.	31.	37.	31.	35.	28.	31.	37.					
19588 P	28.	30.	30.	33.	31.	26.	25.	21.					
19589 P	25.	28.	29.	26.	30.	24.	30.	28.	20.				
19592 P	24.	27.	32.	25.	32.	23.	20.	16.	10.				
19596 P	27.	30.	27.	30.	30.	23.	27.	26.					
19597 P	24.	25.	27.	26.	26.	21.	23.	22.					
19603 P	29.	25.	24.	28.	23.	23.	28.	21.					
19616 P	28.	25.	28.	25.	27.	29.	26.	24.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam was found dead on day 22 of gestation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 8): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP III		1.0 MG/KG/DAY		
19504 P					
19509 NP	21.	27.	25.	25.	17.
19510 NP	21.	15.	19.	11.	14.
19518 NP	15.	19.	18.	18.	16.
19521 P					
19535 P					
19538 P					
19539 P					
19547 P					
19550 P					
19555 P					
19567 P					
19568 P					
19578 P					
19579 P					
19584 P					
19586 P					
19587 P					
19588 P					
19589 P					
19592 P					
19596 P					
19597 P					
19603 P					
19616 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 9): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP IV				3.0 MG/KG/DAY									
19506	P	16.	22.	25.	19.	23.	25.	20.	25.	28.	22.	20.	22.	26.
19507	NP	20.	19.	22.	23.	22.	21.	16.	24.	23.	25.	19.	18.	24.
19517	NP	9.	16.	20.	24.	20.	22.	20.	24.	23.	19.	13.	13.	23.
19522	P	22.	29.	25.	28.	27.	26.	24.	24.	30.	29.	29.	30.	28.
19525	P	17.	24.	25.	25.	26.	26.	27.	27.	26.	30.	29.	27.	27.
19537	P	24.	26.	21.	35.	23.	31.	24.	30.	28.	34.	30.	29.	37.
19544	P	24.	23.	26.	27.	31.	25.	28.	29.	32.	30.	32.	28.	29.
19545	P	22.	23.	23.	25.	26.	25.	28.	26.	31.	28.	29.	32.	28.
19554	P	23.	23.	28.	25.	32.	25.	29.	33.	32.	29.	32.	35.	29.
19557	P	22.	23.	22.	24.	26.	22.	25.	29.	29.	26.	24.	27.	26.
19569	P	23.	23.	27.	24.	29.	23.	27.	28.	28.	28.	29.	29.	24.
19573	P	23.	21.	25.	23.	24.	23.	22.	25.	26.	22.	22.	28.	21.
19577	P	24.	23.	25.	25.	27.	25.	30.	27.	32.	31.	34.	36.	25.
19581	P	21.	20.	25.	24.	20.	23.	31.	27.	31.	31.	30.	35.	28.
19583	P	24.	21.	24.	24.	25.	24.	27.	27.	25.	28.	27.	29.	26.
19598	P	19.	18.	25.	19.	23.	21.	23.	23.	24.	23.	25.	25.	24.
19600	P	21.	26.	24.	28.	23.	26.	26.	23.	20.	24.	29.	20.	25.
19604	P	19.	28.	25.	26.	25.	27.	22.	29.	23.	28.	31.	31.	31.
19606	P	19.	24.	23.	24.	21.	23.	22.	26.	21.	23.	26.	21.	30.
19607	P	18.	22.	20.	20.	18.	21.	22.	24.	22.	22.	24.	23.	21.
19612	P	a	18.	22.	22.	22.	20.	25.	26.	28.	26.	31.	22.	31.
19617	P	22.	24.	23.	24.	23.	27.	26.	30.	27.	27.	29.	26.	27.
19618	P	20.	23.	23.	28.	20.	27.	25.	26.	26.	28.	28.	24.	27.
19622	P	20.	23.	26.	22.	22.	25.	26.	23.	25.	26.	24.	24.	26.
19623	P	17.	22.	26.	21.	24.	25.	23.	27.	26.	31.	25.	29.	27.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 10): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP IV				3.0 MG/KG/DAY									
19506	P	20.	24.	26.	27.	31.	27.	27.	24.	22.				
19507	NP	21.	23.	20.	22.	28.	24.	19.	17.	20.	23.	18.	21.	20.
19517	NP	16.	21.	16.	22.	23.	24.	16.	18.	17.	21.	8.	16.	22.
19522	P	23.	26.	31.	28.	31.	32.	34.	24.	21.				
19525	P	25.	27.	29.	30.	28.	30.	28.	22.					
19537	P	12.	6.	37.	34.	42.	35.	34.	32.	27.				
19544	P	25.	28.	31.	38.	32.	37.	25.	24.					
19545	P	27.	28.	31.	34.	28.	33.	29.	31.					
19554	P	35.	29.	33.	32.	35.	33.	25.	28.					
19557	P	28.	28.	35.	33.	35.	30.	26.	27.					
19569	P	27.	28.	30.	35.	31.	34.	30.	28.	29.				
19573	P	24.	21.	27.	26.	28.	27.	24.	23.					
19577	P	34.	32.	28.	36.	33.	39.	25.	19.					
19581	P	31.	26.	33.	34.	34.	32.	26.	17.	19.				
19583	P	28.	28.	27.	29.	32.	29.	21.	21.	20.				
19598	P	23.	25.	27.	27.	30.	28.	22.	23.					
19600	P	26.	31.	28.	32.	28.	27.	27.	26.					
19604	P	30.	33.	37.	35.	35.	23.	25.	35.	19.				
19606	P	27.	27.	30.	28.	32.	30.	27.	27.	23.				
19607	P	21.	25.	24.	26.	28.	26.	23.	21.					
19612	P	27.	26.	29.	24.	29.	22.	26.	27.					
19617	P	27.	28.	30.	27.	30.	24.	23.	19.					
19618	P	24.	24.	27.	29.	28.	23.	26.	27.					
19622	P	26.	26.	25.	27.	27.	25.	27.	22.					
19623	P	27.	31.	27.	33.	26.	25.	30.	24.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 11): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP IV		3.0 MG/KG/DAY		
19506 P					
19507 NP	21.	21.	24.	22.	18.
19517 NP	19.	13.	16.	15.	16.
19522 P					
19525 P					
19537 P					
19544 P					
19545 P					
19554 P					
19557 P					
19569 P					
19573 P					
19577 P					
19581 P					
19583 P					
19598 P					
19600 P					
19604 P					
19606 P					
19607 P					
19612 P					
19617 P					
19618 P					
19622 P					
19623 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 12): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #		DOSAGE GROUP V			10.0 MG/KG/DAY									
19502	P	17.	25.	25.	22.	18.	25.	23.	26.	26.	28.	30.	29.	34.
19512	P	18.	21.	22.	25.	20.	24.	19.	22.	24.	26.	24.	23.	27.
19528	P	18.	22.	21.	22.	23.	24.	23.	24.	25.	26.	26.	28.	30.
19529	P	19.	22.	21.	25.	21.	26.	23.	25.	24.	26.	26.	24.	28.
19532	P	22.	23.	22.	26.	22.	26.	25.	26.	26.	27.	25.	28.	30.
19540	P	23.	33.	30.	27.	32.	39.	27.	35.	33.	37.	32.	36.	40.
19541	P	23.	26.	26.	25.	30.	26.	31.	31.	32.	32.	33.	32.	27.
19543	P	15.	17.	17.	24.	21.	23.	23.	26.	24.	24.	25.	26.	23.
19546	P	21.	21.	24.	23.	23.	24.	22.	26.	29.	27.	27.	29.	27.
19548	NP	21.	19.	22.	19.	15.	21.	20.	25.	20.	21.	26.	21.	15.
19551	P	21.	22.	22.	27.	26.	25.	26.	29.	30.	28.	30.	32.	30.
19552	P	19.	22.	20.	21.	13.	17.	15.	24.	19.	22.	15.	29.	26.
19553	P	24.	25.	27.	27.	34.	28.	30.	30.	36.	30.	33.	36.	32.
19559	P	23.	22.	25.	21.	26.	25.	24.	25.	25.	25.	23.	29.	24.
19560	P	23.	24.	25.	26.	28.	29.	30.	29.	28.	31.	33.	36.	29.
19564	P	17.	23.	23.	28.	32.	27.	30.	30.	31.	28.	30.	33.	28.
19570	P	24.	24.	25.	30.	23.	26.	26.	30.	28.	30.	29.	24.	30.
19572	P	18.	20.	19.	24.	19.	28.	26.	23.	23.	26.	26.	24.	26.
19574	P	21.	22.	25.	26.	22.	26.	24.	25.	24.	28.	32.	21.	28.
19591	P	17.	22.	23.	25.	19.	21.	22.	24.	22.	26.	24.	20.	25.
19595	P	22.	21.	25.	29.	19.	24.	23.	25.	25.	24.	29.	23.	29.
19601	P	17.	21.	27.	19.	23.	24.	24.	26.	28.	30.	28.	24.	28.
19613	P	15.	19.	21.	21.	21.	19.	18.	22.	23.	27.	29.	23.	27.
19620	P	16.	17.	27.	21.	22.	20.	24.	27.	24.	30.	22.	29.	30.
19624	P	18.	23.	23.	20.	24.	25.	24.	24.	23.	23.	19.	26.	24.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 13): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
RAT #	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502 P	27.	29.	36.	31.	40.	31.	34.	25.	21.				
19512 P	23.	26.	26.	27.	29.	27.	29.	20.	21.				
19528 P	24.	29.	28.	29.	32.	27.	28.	24.					
19529 P	24.	25.	26.	27.	28.	27.	27.	21.	19.				
19532 P	24.	29.	30.	28.	32.	32.	31.	25.					
19540 P	32.	35.	37.	37.	43.	37.	32.	32.	23.				
19541 P	29.	27.	31.	35.	32.	33.	29.	21.	17.				
19543 P	23.	24.	28.	30.	28.	29.	20.	20.					
19546 P	23.	31.	30.	35.	32.	30.	30.	24.					
19548 NP	15.	17.	33.	24.	13.	23.	13.	21.	18.	14.	16.	20.	17.
19551 P	29.	31.	30.	39.	34.	35.	31.	31.					
19552 P	22.	26.	25.	33.	27.	29.	24.	26.					
19553 P	30.	36.	29.	43.	32.	25.	26.	27.	26.				
19559 P	28.	27.	28.	33.	28.	28.	24.	22.					
19560 P	33.	34.	30.	44.	36.	40.	27.	31.					
19564 P	30.	34.	29.	37.	38.	33.	24.	30.					
19570 P	28.	26.	37.	25.	38.	27.	29.	31.	23.				
19572 P	22.	27.	24.	26.	29.	25.	20.	21.					
19574 P	26.	28.	37.	28.	28.	26.	27.	28.					
19591 P	25.	25.	28.	27.	25.	29.	24.	29.					
19595 P	32.	31.	29.	31.	31.	33.	30.	29.	26.				
19601 P	26.	25.	30.	29.	29.	27.	26.	30.					
19613 P	23.	24.	25.	28.	30.	21.	26.	20.					
19620 P	26.	34.	28.	35.	25.	28.	31.	20.					
19624 P	24.	27.	24.	28.	26.	24.	28.	21.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B26 (PAGE 14): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 26 - 27	27 - 28	28 - 29	29 - 30	30 - 31
RAT #	DOSAGE GROUP V		10.0 MG/KG/DAY		
19502 P					
19512 P					
19528 P					
19529 P					
19532 P					
19540 P					
19541 P					
19543 P					
19546 P					
19548 NP	17.	20.	21.	19.	21.
19551 P					
19552 P					
19553 P					
19559 P					
19560 P					
19564 P					
19570 P					
19572 P					
19574 P					
19591 P					
19595 P					
19601 P					
19613 P					
19620 P					
19624 P					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14a
DAM #	DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY									
19503	FOUND DEAD ON DAY 22 OF GESTATION												
19505	19.	23.	34.	40.	38.	44.	41.	46.	55.	60.	b	68.	52.
19508	20.	28.	35.	30.	41.	41.	45.	42.	47.	46.	51.	52.	48.
19513	30.	45.	47.	52.	50.	52.	66.	63.	b	73.	61.	65.	68.
19519	14.	29.	37.	49.	45.	43.	52.	50.	63.	62.	56.	68.	58.
19520	21.	19.	33.	46.	40.	37.	45.	46.	60.	48.	64.	62.	57.
19523	20.	28.	43.	44.	49.	48.	50.	66.	61.	67.	72.	56.	63.
19526	23.	35.	44.	46.	49.	52.	50.	58.	58.	68.	64.	63.	69.
19530	29.	37.	49.	51.	50.	51.	57.	59.	62.	75.	77.	64.	69.
19549	23.	35.	43.	36.	39.	33.	42.	41.	42.	c			
19556	22.	30.	39.	46.	44.	46.	45.	60.	52.	64.	73.	57.	53.
19558	26.	30.	32.	39.	53.	51.	59.	53.	62.	68.	59.	62.	56.
19561	25.	31.	b	31.	39.	50.	54.	55.	51.	59.	67.	51.	67.
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION												
19565	30.	41.	44.	54.	57.	49.	60.	60.	65.	76.	56.	63.	58.
19571	22.	32.	35.	43.	46.	48.	51.	51.	51.	53.	65.	59.	55.
19580	26.	31.	31.	39.	46.	37.	47.	51.	58.	67.	62.	59.	63.
19582	36.	42.	47.	49.	46.	46.	50.	55.	62.	59.	64.	64.	66.
19585	23.	32.	40.	44.	45.	40.	48.	57.	58.	62.	57.	59.	63.
19608	24.	35.	33.	44.	43.	43.	54.	48.	57.	c			
19610	29.	39.	38.	44.	45.	60.	49.	58.	61.	52.	84.	57.	69.
19611	23.	26.	30.	40.	45.	46.	52.	55.	52.	60.	56.	59.	57.
19614	14.	19.	23.	35.	44.	43.	46.	52.	b	c			
19621	29.	38.	49.	b	50.	53.	57.	71.	72.	66.	74.	66.	75.
19625	31.	42.	42.	48.	49.	47.	63.	61.	68.	61.	54.	53.	65.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY					
	DAYS 14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22
19503	FOUND DEAD ON DAY 22 OF GESTATION							
19505	66.	76.	69.	65.	67.	64.	77.	74.
19508	56.	48.	59.	42.	59.	52.	59.	57.
19513	68.	62.	74.	60.	74.	74.	86.	68.
19519	68.	61.	67.	55.	59.	67.	76.	76.
19520	62.	67.	71.	58.	70.	63.	74.	69.
19523	63.	71.	63.	72.	47.	74.	75.	77.
19526	63.	57.	60.	72.	60.	70.	61.	55.
19530	72.	81.	73.	76.	67.	71.	73.	75.
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19556	67.	72.	57.	76.	66.	69.	68.	65.
19558	76.	58.	69.	67.	56.	62.	66.	64.
19561	63.	71.	54.	63.	61.	54.	67.	61.
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION							
19565	68.	52.	69.	65.	62.	70.	73.	70.
19571	61.	72.	62.	69.	63.	68.	72.	72.
19580	69.	62.	77.	62.	64.	67.	56.	66.
19582	57.	66.	59.	58.	58.	67.	56.	84.
19585	64.	59.	64.	56.	63.	61.	77.	67.
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19610	61.	74.	78.	70.	74.	82.	74.	93.
19611	59.	56.	65.	62.	59.	65.	72.	59.
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19621	68.	a	79.	67.	62.	75.	73.	99.
19625	53.	65.	60.	53.	63.	73.	61.	78.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14a
DAM #	DOSAGE GROUP II			0.1 MG/KG/DAY									
19501	18.	21.	29.	29.	28.	40.	38.	40.	52.	50.	51.	56.	53.
19511	21.	23.	31.	43.	40.	44.	48.	49.	57.	52.	70.	62.	59.
19514	35.	32.	41.	46.	46.	48.	49.	50.	57.	64.	61.	61.	58.
19515	NOT PREGNANT												
19516	NOT PREGNANT												
19524	12.	17.	23.	26.	31.	34.	31.	34.	43.	b			
19527	28.	34.	36.	48.	49.	47.	47.	53.	52.	b			
19531	20.	32.	34.	30.	47.	39.	45.	57.	61.	74.	71.	62.	60.
19533	26.	33.	45.	43.	43.	42.	43.	52.	55.	60.	55.	54.	57.
19534	19.	42.	50.	51.	54.	54.	59.	59.	62.	61.	72.	66.	79.
19536	27.	36.	40.	45.	49.	49.	51.	55.	57.	66.	57.	58.	62.
19542	20.	25.	36.	48.	41.	53.	48.	55.	57.	b			
19562	26.	30.	43.	46.	43.	52.	51.	56.	57.	66.	52.	56.	42.
19566	26.	35.	48.	42.	40.	40.	38.	51.	54.	58.	58.	64.	61.
19575	28.	35.	c	42.	46.	53.	43.	49.	52.	64.	59.	50.	57.
19576	19.	31.	38.	44.	40.	40.	41.	48.	49.	62.	54.	58.	54.
19590	38.	35.	45.	51.	45.	54.	44.	62.	60.	57.	68.	61.	71.
19593	23.	35.	39.	42.	44.	41.	59.	53.	59.	65.	52.	54.	59.
19594	23.	27.	26.	34.	43.	41.	47.	62.	59.	50.	60.	61.	56.
19599	25.	32.	33.	35.	44.	40.	50.	51.	55.	60.	49.	53.	54.
19602	23.	41.	44.	60.	56.	43.	51.	46.	59.	61.	58.	78.	64.
19605	34.	36.	35.	38.	35.	49.	45.	50.	51.	56.	62.	58.	64.
19609	31.	37.	45.	47.	45.	42.	48.	62.	61.	61.	59.	61.	62.
19615	14.	23.	35.	43.	41.	47.	45.	63.	64.	61.	55.	64.	64.
19619	18.	22.	31.	15.	23.	37.	c	34.	39.	30.	58.	28.	52.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Dam was sacrificed on day 10 of lactation for thyroid evaluation.
c. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 4): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DOSAGE GROUP II			0.1 MG/KG/DAY				
	DAYS 14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22
19501	63.	58.	68.	55.	65.	53.	54.	55.
19511	71.	63.	66.	54.	61.	63.	64.	67.
19514	68.	63.	66.	54.	59.	58.	54.	58.
19515	NOT PREGNANT							
19516	NOT PREGNANT							
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19531	72.	61.	62.	77.	70.	55.	64.	61.
19533	59.	66.	50.	60.	58.	60.	65.	61.
19534	61.	67.	50.	71.	77.	63.	77.	83.
19536	68.	68.	67.	62.	67.	63.	74.	53.
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19562	54.	68.	55.	66.	60.	61.	72.	71.
19566	63.	73.	58.	75.	69.	69.	63.	71.
19575	54.	61.	58.	61.	59.	65.	73.	73.
19576	59.	66.	58.	61.	61.	64.	68.	62.
19590	58.	66.	67.	59.	70.	75.	59.	94.
19593	67.	66.	65.	62.	70.	65.	67.	63.
19594	68.	62.	72.	65.	62.	58.	62.	59.
19599	57.	49.	43.	56.	44.	61.	55.	55.
19602	77.	66.	62.	87.	67.	68.	81.	67.
19605	59.	55.	59.	64.	73.	77.	68.	87.
19609	68.	63.	64.	62.	64.	67.	77.	71.
19615	60.	66.	57.	66.	77.	79.	67.	94.
19619	46.	55.	63.	41.	62.	67.	65.	65.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 5): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DAYS 1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14a
	DOSAGE GROUP III			1.0 MG/KG/DAY									
19504	17.	20.	37.	39.	49.	36.	50.	55.	60.	b	68.	70.	65.
19509	NOT PREGNANT												
19510	NOT PREGNANT												
19518	NOT PREGNANT												
19521	34.	30.	40.	49.	49.	44.	59.	55.	64.	66.	71.	69.	63.
19535	19.	b	29.	26.	38.	62.	49.	51.	62.	b	65.	65.	72.
19538	24.	29.	41.	49.	45.	52.	54.	54.	70.	c			
19539	22.	32.	38.	49.	41.	46.	52.	53.	62.	b	60.	55.	63.
19547	34.	46.	47.	46.	53.	47.	63.	62.	65.	67.	59.	64.	65.
19550	FOUND DEAD ON DAY 22 OF GESTATION												
19555	15.	27.	53.	45.	32.	39.	42.	44.	69.	60.	66.	60.	62.
19567	30.	36.	41.	49.	45.	49.	48.	68.	54.	65.	67.	57.	66.
19568	27.	33.	45.	52.	36.	47.	46.	51.	55.	62.	66.	61.	63.
19578	21.	37.	46.	59.	43.	48.	63.	49.	53.	75.	74.	50.	61.
19579	29.	46.	36.	38.	44.	53.	53.	61.	65.	60.	69.	58.	68.
19584	25.	34.	40.	35.	37.	49.	49.	57.	60.	60.	55.	55.	63.
19586	26.	43.	47.	44.	53.	43.	50.	57.	67.	63.	66.	74.	74.
19587	16.	26.	28.	25.	38.	36.	39.	44.	55.	64.	51.	60.	61.
19588	30.	27.	42.	38.	43.	39.	41.	b	55.	59.	58.	54.	60.
19589	42.	49.	37.	48.	48.	48.	50.	61.	65.	59.	66.	61.	64.
19592	b	b	31.	51.	55.	45.	55.	67.	65.	59.	64.	52.	74.
19596	32.	47.	55.	52.	57.	54.	49.	56.	59.	67.	64.	63.	63.
19597	22.	32.	36.	29.	32.	46.	44.	45.	49.	58.	51.	65.	57.
19603	27.	36.	31.	43.	41.	40.	49.	54.	54.	57.	57.	57.	63.
19616	31.	36.	31.	64.	42.	37.	58.	44.	50.	54.	51.	52.	54.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 6): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAM #	DOSAGE GROUP III	1.0 MG/KG/DAY					
	DAYS 14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22
19504	71.	60.	60.	49.	56.	65.	65.	73.
19509	NOT PREGNANT							
19510	NOT PREGNANT							
19518	NOT PREGNANT							
19521	70.	68.	75.	65.	67.	64.	70.	78.
19535	70.	78.	69.	68.	77.	75.	76.	80.
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19539	59.	66.	59.	65.	63.	67.	65.	62.
19547	70.	59.	65.	57.	65.	71.	78.	69.
19550	FOUND DEAD ON DAY 22 OF GESTATION							
19555	67.	72.	48.	66.	67.	58.	69.	59.
19567	63.	62.	54.	a	71.	74.	72.	76.
19568	66.	77.	64.	77.	70.	61.	78.	78.
19578	77.	65.	68.	66.	55.	59.	69.	78.
19579	66.	72.	71.	73.	64.	69.	74.	85.
19584	70.	68.	74.	73.	63.	78.	79.	62.
19586	77.	65.	76.	71.	68.	99.	70.	67.
19587	65.	61.	68.	69.	60.	50.	71.	60.
19588	69.	69.	65.	61.	54.	63.	64.	58.
19589	61.	63.	65.	54.	59.	75.	59.	89.
19592	62.	56.	68.	70.	81.	82.	83.	89.
19596	63.	62.	50.	66.	53.	53.	63.	60.
19597	62.	54.	70.	64.	62.	74.	70.	67.
19603	55.	60.	63.	54.	58.	65.	56.	83.
19616	54.	54.	59.	57.	64.	63.	67.	85.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 7): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14a
DAM #	DOSAGE GROUP IV			3.0 MG/KG/DAY									
19506	25.	32.	44.	52.	52.	40.	48.	52.	51.	55.	67.	63.	54.
19507	NOT PREGNANT												
19517	NOT PREGNANT												
19522	23.	43.	54.	57.	47.	54.	53.	59.	64.	75.	77.	65.	70.
19525	25.	25.	b	47.	52.	43.	49.	54.	63.	63.	67.	67.	63.
19537	28.	29.	29.	47.	49.	35.	51.	55.	49.	c			
19544	18.	20.	35.	49.	38.	39.	46.	55.	58.	62.	72.	57.	74.
19545	20.	33.	53.	49.	44.	51.	44.	56.	62.	65.	71.	52.	61.
19554	23.	32.	39.	44.	39.	37.	41.	46.	47.	54.	58.	47.	51.
19557	22.	34.	47.	55.	43.	40.	43.	49.	54.	70.	68.	56.	62.
19569	40.	57.	60.	51.	59.	45.	60.	66.	75.	55.	55.	92.	71.
19573	25.	27.	38.	41.	53.	41.	39.	45.	71.	61.	71.	54.	59.
19577	28.	29.	38.	46.	45.	44.	44.	54.	57.	76.	73.	62.	76.
19581	28.	38.	50.	39.	51.	42.	49.	50.	58.	66.	55.	61.	63.
19583	26.	31.	36.	36.	39.	45.	43.	51.	56.	c			
19598	9.	31.	53.	58.	41.	44.	48.	48.	59.	59.	60.	57.	61.
19600	28.	26.	21.	17.	40.	40.	50.	49.	56.	55.	54.	67.	60.
19604	38.	43.	46.	50.	53.	49.	54.	63.	68.	66.	72.	62.	64.
19606	30.	28.	26.	28.	32.	36.	48.	49.	52.	c			
19607	26.	34.	41.	36.	37.	48.	46.	45.	51.	57.	52.	55.	57.
19612	21.	34.	33.	31.	38.	37.	44.	48.	52.	55.	54.	57.	54.
19617	25.	33.	42.	45.	55.	47.	55.	47.	44.	47.	44.	70.	b
19618	27.	42.	39.	b	58.	43.	b	41.	55.	52.	55.	62.	53.
19622	30.	39.	40.	40.	43.	49.	50.	56.	55.	52.	61.	65.	61.
19623	28.	32.	32.	37.	70.	38.	53.	61.	64.	62.	74.	64.	75.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 8): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22
DAM #	DOSAGE GROUP IV			3.0 MG/KG/DAY				
19506	59.	69.	71.	60.	60.	63.	57.	66.
19507	NOT PREGNANT							
19517	NOT PREGNANT							
19522	75.	80.	72.	72.	72.	65.	65.	85.
19525	69.	67.	76.	65.	73.	70.	74.	61.
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19544	68.	74.	66.	73.	66.	57.	74.	80.
19545	63.	64.	57.	57.	58.	53.	68.	69.
19554	53.	62.	58.	64.	61.	63.	72.	74.
19557	67.	78.	65.	66.	67.	56.	77.	77.
19569	87.	77.	a	83.	84.	87.	77.	69.
19573	60.	65.	58.	59.	64.	51.	54.	55.
19577	64.	84.	59.	54.	71.	68.	83.	81.
19581	65.	58.	68.	67.	51.	56.	62.	64.
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19598	58.	69.	63.	67.	67.	62.	68.	63.
19600	74.	65.	78.	70.	71.	78.	87.	63.
19604	55.	65.	64.	72.	73.	74.	65.	92.
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19607	53.	54.	60.	60.	50.	48.	62.	38.
19612	62.	57.	62.	60.	62.	53.	69.	61.
19617	67.	60.	70.	58.	60.	52.	75.	74.
19618	70.	56.	64.	58.	62.	63.	61.	62.
19622	60.	66.	60.	53.	58.	70.	69.	89.
19623	64.	67.	62.	54.	68.	62.	48.	82.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 9): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

	DAYS 1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14a
DAM #	DOSAGE GROUP V			10.0 MG/KG/DAY									
19502	22.	27.	33.	49.	50.	47.	38.	50.	60.	72.	61.	64.	54.
19512	25.	21.	31.	43.	49.	41.	46.	54.	61.	80.	70.	71.	57.
19528	32.	33.	b	36.	38.	40.	47.	52.	50.	c			
19529	28.	30.	46.	54.	48.	61.	54.	61.	73.	74.	68.	62.	66.
19532	30.	30.	38.	49.	51.	41.	44.	52.	59.	54.	68.	62.	58.
19540	30.	42.	49.	52.	51.	50.	55.	55.	56.	69.	72.	66.	68.
19541	24.	30.	46.	33.	32.	32.	50.	49.	63.	72.	49.	68.	68.
19543	22.	17.	37.	32.	35.	36.	44.	53.	50.	51.	55.	61.	58.
19546	16.	24.	36.	45.	46.	50.	54.	67.	60.	63.	58.	58.	67.
19548	NOT PREGNANT												
19551	22.	18.	41.	41.	37.	50.	49.	54.	70.	65.	74.	59.	68.
19552	20.	25.	26.	15.	47.	44.	42.	46.	44.	60.	68.	52.	63.
19553	32.	60.	43.	36.	50.	49.	53.	60.	64.	69.	70.	72.	67.
19559	11.	19.	19.	24.	29.	29.	30.	29.	43.	c			
19560	19.	30.	b	46.	42.	48.	47.	61.	55.	c			
19564	23.	32.	43.	48.	37.	45.	45.	52.	58.	61.	70.	58.	63.
19570	47.	56.	53.	57.	60.	50.	64.	71.	67.	66.	72.	69.	77.
19572	27.	32.	29.	50.	35.	34.	46.	46.	54.	55.	52.	59.	54.
19574	30.	51.	50.	50.	72.	37.	55.	56.	61.	68.	57.	61.	60.
19591	20.	31.	43.	32.	38.	36.	40.	50.	45.	c			
19595	46.	57.	65.	b	60.	60.	66.	69.	73.	70.	78.	71.	77.
19601	15.	34.	46.	43.	43.	40.	47.	49.	62.	62.	72.	48.	58.
19613	22.	34.	27.	48.	28.	32.	36.	51.	66.	72.	44.	65.	61.
19620	30.	40.	32.	42.	28.	38.	51.	56.	59.	40.	52.	62.	65.
19624	29.	37.	39.	49.	44.	44.	46.	57.	60.	63.	67.	61.	66.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B27 (PAGE 10): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22
DAM #	DOSAGE GROUP V			10.0 MG/KG/DAY				
19502	69.	61.	76.	63.	60.	63.	70.	68.
19512	68.	63.	81.	65.	72.	64.	64.	69.
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19529	62.	73.	62.	70.	63.	70.	62.	74.
19532	65.	57.	74.	60.	68.	71.	66.	64.
19540	55.	67.	58.	63.	60.	74.	83.	74.
19541	76.	65.	72.	62.	69.	71.	77.	69.
19543	59.	52.	38.	62.	61.	66.	61.	62.
19546	69.	79.	53.	72.	70.	64.	65.	77.
19548	NOT PREGNANT							
19551	68.	73.	64.	69.	62.	60.	69.	69.
19552	64.	73.	66.	73.	53.	69.	80.	68.
19553	78.	65.	74.	70.	64.	63.	69.	58.
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19564	65.	60.	59.	67.	64.	62.	65.	71.
19570	67.	73.	73.	67.	74.	88.	72.	109.
19572	70.	51.	63.	52.	55.	58.	56.	49.
19574	64.	58.	69.	59.	53.	64.	64.	61.
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION							
19595	74.	77.	74.	75.	78.	80.	74.	89.
19601	74.	67.	73.	72.	65.	76.	82.	72.
19613	67.	55.	65.	65.	64.	66.	61.	67.
19620	64.	63.	42.	52.	67.	77.	60.	79.
19624	65.	63.	59.	51.	57.	64.	60.	82.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 1): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX -- INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	5a M	5a F	5b M	5b F	8 M	8 F	12 M	12 F	14 M	14 F
19503	FOUND DEAD ON DAY 22 OF GESTATION															
19505	23	10	0	10	5	5	5	5	4	4	4	4	3	3	3	3
19508	23	15	1	16	10	5	10	5	4	4	4	4	3	3	3	3
19513	24	11	0	11	7	4	7	4	4	4	4	4	3	3	3	3
19519	23	14	0	14	9	5	9	5	4	4	4	4	3	3	3	3
19520	23	16	2	18	5	11	4	11	4	4	4	4	3	3	3	3
19523	23	15	1	16	7	8	7	8	4	4	4	4	3	3	3	3
19526	23	15	0	15	9	6	9	6	4	4	4	4	3	3	3	3
19530	23	18	0	18	8	10	7	10	4	4	4	4	3	3	3	3
19549c	23	15	0	15	9	6	9	6	4	4	4	3	-	-	-	-
19556	22	15	0	15	6	9	6	9	4	4	4	4	3	3	3	3
19558	23	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19561	23	16	0	16	10	6	10	6	4	4	4	4	3	3	3	3
19563d	23	14(1)	1	15	7	6	-	-	-	-	-	-	-	-	-	-
19565	23	14	0	14	5	9	5	9	4	4	4	4	3	3	3	3
19571	23	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19580	23	15	0	15	7	8	7	8	4	4	4	4	3	3	3	3
19582	23	14	0	14	6	8	6	8	4	4	4	4	3	3	3	3
19585	23	17	0	17	10	7	10	7	4	4	4	4	3	3	3	3
19608c	23	14	0	14	3	11	3	11	3	5	3	5	-	-	-	-
19610	23	13	0	13	6	7	6	7	4	4	4	4	3	3	3	3
19611	23	14	0	14	4	10	4	10	4	4	4	4	3	3	3	3
19614c	23	14	0	14	12	2	12	2	6	2	6	2	-	-	-	-
19621	23	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19625	22	13	0	13	4	9	4	8	4	4	4	4	3	3	3	3

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Number of live pups preculling.
b. Number of live pups postculling.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.
d. Dam 19563 was moribund sacrificed on day 1 of lactation and the pups were sacrificed.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 2): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS)	LITTER DELIVERED LIVE BORN	STILL-BORN	TOTAL BORN	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 18		22		TOTAL IMPLAN-TATIONS
	N	N	N	N	M	F	M	F	N
19503	FOUND DEAD ON DAY 22 OF GESTATION								
19505	23	10	0	10	3	3	3	3	11
19508	23	15	1	16	3	3	3	3	16
19513	24	11	0	11	3	3	3	3	11
19519	23	14	0	14	3	3	3	3	14
19520	23	16	2	18	3	3	3	3	20
19523	23	15	1	16	3	3	3	3	17
19526	23	15	0	15	3	3	3	3	15
19530	23	18	0	18	3	3	3	3	19
19549a	23	15	0	15	-	-	-	-	17
19556	22	15	0	15	3	3	3	3	15
19558	23	14	0	14	3	3	3	3	16
19561	23	16	0	16	3	3	3	3	17
19563b	23	14(1)	1	15	-	-	-	-	17
19565	23	14	0	14	3	3	3	3	14
19571	23	14	0	14	3	3	3	3	16
19580	23	15	0	15	3	3	3	3	15
19582	23	14	0	14	3	3	3	3	15
19585	23	17	0	17	3	3	3	3	17
19608a	23	14	0	14	-	-	-	-	16
19610	23	13	0	13	3	3	3	3	16
19611	23	14	0	14	3	3	3	3	14
19614a	23	14	0	14	-	-	-	-	15
19621	23	14	0	14	3	3	3	3	14
19625	22	13	0	13	3	3	3	3	14

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.
b. Dam 19563 was moribund sacrificed on day 1 of lactation and the pups were sacrificed.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 3): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	5a M	5a F	5b M	5b F	8 M	8 F	12 M	12 F	14 M	14 F
19501	23	17	0	17	10	7	10	5	4	4	4	4	3	3	3	3
19511	23	15	1	16	8	7	8	7	4	4	4	4	3	3	3	3
19514	22	13	0	13	5	8	5	8	4	4	4	4	3	3	3	3
19515	NOT PREGNANT															
19516	NOT PREGNANT															
19524c	23	7	0	7	1	6	1	6	1	6	1	6	-	-	-	-
19527c	23	16	0	16	6	10	6	10	4	4	4	3	-	-	-	-
19531	23	17	0	17	8	9	7	9	4	4	4	4	3	3	3	3
19533	23	15	0	15	7	8	7	8	4	4	4	4	3	3	3	3
19534	23	14	0	14	4	10	4	10	4	4	4	4	3	3	3	3
19536	23	13	0	13	3	10	3	10	3	5	3	5	3	4	3	4
19542c	23	15(1)	0	15	12	2	12	2	6	2	6	2	-	-	-	-
19562	22	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19566	22	16	0	16	8	8	7	8	4	4	4	4	3	3	3	3
19575	23	16	0	16	8	8	8	8	4	4	4	4	3	3	3	3
19576	23	15	0	15	11	4	11	4	4	4	4	4	3	3	3	3
19590	23	15	0	15	8	7	8	7	4	4	4	4	3	3	3	3
19593	23	15	2	17	8	7	8	7	4	4	4	4	3	3	3	3
19594	23	10	0	10	5	5	5	5	4	4	4	4	3	3	3	3
19599	23	11	0	11	5	6	5	6	4	4	4	4	3	3	3	3
19602	23	16	0	16	6	10	6	10	4	4	4	4	3	3	3	3
19605	23	15	0	15	9	6	9	6	4	4	4	4	3	3	3	3
19609	22	17	0	17	12	5	12	5	4	4	4	4	3	3	3	3
19615	23	14	0	14	9	5	9	5	4	4	4	4	3	3	3	3
19619	23	16	1	17	10	6	9	5	4	4	3	4	3	3	3	3

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Number of live pups preculling.
b. Number of live pups postculling.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 4): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 18 M	18 F	22 M	22 F	TOTAL IMPLAN-TATIONS N
19501	23	17	0	17	3	3	3	3	17
19511	23	15	1	16	3	3	3	3	16
19514	23	13	0	13	3	2	3	2	15
19515	NOT PREGNANT								
19516	NOT PREGNANT								
19524a	23	7	0	7	-	-	-	-	17
19527a	23	16	0	16	-	-	-	-	16
19531	23	17	0	17	3	3	3	3	17
19533	23	15	0	15	3	3	3	3	16
19534	23	14	0	14	3	3	3	3	14
19536	23	13	0	13	3	3	3	3	14
19542a	23	15(1)	0	15	-	-	-	-	16
19562	22	14	0	14	3	3	3	3	14
19566	22	16	0	16	3	3	3	3	19
19575	23	16	0	16	3	3	3	3	16
19576	23	15	0	15	3	3	3	3	15
19590	23	15	0	15	3	3	3	3	16
19593	23	15	2	17	3	3	3	3	17
19594	23	10	0	10	3	3	3	3	12
19599	23	11	0	11	2	3	2	3	16
19602	23	16	0	16	3	3	3	3	19
19605	23	15	0	15	3	3	3	3	15
19609	22	17	0	17	3	3	3	3	18
19615	23	14	0	14	3	3	3	3	15
19619	23	16	1	17	3	3	3	3	18

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 5): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP III 1.0 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	5a M	5a F	5b M	5b F	8 M	8 F	12 M	12 F	14 M	14 F
19504	23	14	1	15	6	8	6	8	4	4	4	4	3	3	3	3
19509	NOT PREGNANT															
19510	NOT PREGNANT															
19518	NOT PREGNANT															
19521	23	13	0	13	5	8	5	8	4	4	4	4	3	3	3	3
19535	23	16	1	17	4	12	3	12	3	5	3	5	3	4	3	4
19538c	23	16	0	16	3	13	3	13	3	5	3	5	-	-	-	-
19539	22	14	0	14	5	9	5	9	4	4	4	4	3	3	3	3
19547	23	16	0	16	11	5	11	5	4	4	4	4	3	3	3	3
19550	FOUND DEAD ON DAY 22 OF GESTATION															
19555	23	16	1	17	7	9	7	8	4	4	4	4	3	3	3	3
19567	23	17	0	17	10	7	10	7	4	4	4	4	3	3	3	3
19568	23	14(1)	0	14	6	7	6	7	4	4	4	4	3	3	3	3
19578	23	15	0	15	8	7	8	7	4	4	4	4	3	3	3	3
19579	23	15(1)	2	17	7	7	7	7	4	4	4	4	3	3	3	3
19584	23	13	0	13	6	7	6	7	4	4	4	4	3	3	3	3
19586	23	19	0	19	6	13	6	13	4	4	4	4	3	3	3	3
19587	23	15	1	16	8	7	8	7	4	4	4	4	3	3	3	3
19588	23	16	0	16	10	6	10	6	4	4	4	4	3	3	3	3
19589	23	15	0	15	5	10	5	10	4	4	4	4	3	3	3	3
19592	23	16	0	16	7	9	7	9	4	4	4	4	3	3	3	3
19596	22	15	0	15	8	7	8	7	4	4	4	4	3	3	3	3
19597	23	16	0	16	8	8	8	7	4	4	4	4	3	3	3	3
19603	23	14	0	14	7	7	7	6	4	4	4	4	3	3	3	3
19616	23	16	0	16	6	10	6	10	4	4	4	4	3	3	3	3

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Number of live pups preculling.
b. Number of live pups postculling.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 6): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP III 1.0 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 18 M	18 F	22 M	22 F	TOTAL IMPLAN-TATIONS N
19504	23	14	1	15	3	3	3	3	15
19509	NOT PREGNANT								
19510	NOT PREGNANT								
19518	NOT PREGNANT								
19521	23	13	0	13	3	3	3	3	16
19535	23	16	0	16	3	3	3	3	17
19538a	23	16	0	16	-	-	-	-	17
19539	22	14	0	14	3	3	3	3	16
19547	23	16	0	16	3	3	3	3	19
19550	FOUND DEAD ON DAY 22 OF GESTATION								
19555	23	16	1	17	3	3	3	3	17
19567	23	17	0	17	3	3	3	3	17
19568	23	14(1)	0	14	3	3	3	3	14
19578	23	15	0	15	3	3	3	3	16
19579	23	15(1)	2	17	3	3	3	3	19
19584	23	13	0	13	3	3	3	3	14
19586	23	19	0	19	3	3	3	3	20
19587	23	15	1	16	3	3	3	3	16
19588	23	16	0	16	3	3	3	3	16
19589	23	15	0	15	3	3	3	3	15
19592	23	16	0	16	3	3	3	3	17
19596	22	15	0	15	3	3	3	3	18
19597	23	16	0	16	3	3	3	3	17
19603	23	14	0	14	3	3	3	3	14
19616	23	16	0	16	3	3	3	3	17

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 7): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	5a M	5a F	5b M	5b F	8 M	8 F	12 M	12 F	14 M	14 F
19506	23	18	0	18	9	9	9	9	4	4	4	4	3	3	3	3
19507	NOT PREGNANT															
19517	NOT PREGNANT															
19522	23	18	0	18	8	10	8	9	4	4	4	4	3	3	3	3
19525	23	17	0	17	6	11	5	11	4	4	4	4	3	3	3	3
19537c	23	16(1)	0	16	12	3	12	3	5	3	5	3	-	-	-	-
19544	23	16	0	16	8	8	7	8	4	4	4	4	3	3	3	3
19545	23	17	0	17	12	5	12	5	4	4	4	4	3	3	3	3
19554	22	18	0	18	9	9	9	9	4	4	4	4	3	3	3	3
19557	22	18	0	18	11	7	11	7	4	4	4	4	3	3	3	3
19569	23	17	0	17	6	11	6	11	4	4	4	4	3	3	3	3
19573	22	13	0	13	7	6	7	6	4	4	4	4	3	3	3	3
19577	23	18	0	18	9	9	9	9	4	4	4	4	3	3	3	3
19581	23	19	0	19	9	10	9	10	4	4	4	4	3	3	3	3
19583c	23	9(1)	2	18[7]	4	4	4	3	4	3	4	3	-	-	-	-
19598	23	16	2	18	10	6	10	6	4	4	4	4	3	3	3	3
19600	23	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19604	23	13	0	14[1]	4	9	4	9	4	4	4	4	3	3	3	3
19606c	24	8	0	8	5	3	5	3	5	3	5	3	-	-	-	-
19607	23	12	0	12	7	5	7	5	4	4	4	4	3	3	3	3
19612	23	17	0	17	12	5	12	5	4	4	4	4	3	3	3	3
19617	23	15	0	15	9	6	9	6	4	4	4	4	3	3	3	3
19618	23	16	0	16	6	10	6	9	4	4	4	4	3	3	3	3
19622	23	13	0	13	7	6	7	6	4	4	4	4	3	3	3	3
19623	23	19	0	19	9	10	9	10	4	4	4	4	3	3	3	3

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
[ ] = NUMBER OF PUPS IN WHICH CANNIBALIZATION AND/OR AUTOLYSIS PRECLUDED THE DETERMINATION OF VIABILITY.
a. Number of live pups preculling.
b. Number of live pups postculling.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 8): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 18 M	18 F	22 M	22 F	TOTAL IMPLAN-TATIONS N
19506	23	18	0	18	3	3	3	3	18
19507	NOT PREGNANT								
19517	NOT PREGNANT								
19522	23	18	0	18	3	3	3	3	18
19525	23	17	0	17	3	3	3	3	17
19537a	23	16(1)	0	16	-	-	-	-	16
19544	23	16	0	16	3	3	3	3	16
19545	23	17	0	17	3	3	3	3	17
19554	22	18	0	18	3	3	3	3	18
19557	22	18	0	18	3	3	3	3	18
19569	23	17	0	17	3	3	3	3	20
19573	22	13	0	13	3	3	3	3	15
19577	23	18	0	18	3	3	3	3	18
19581	23	19	0	19	3	3	3	3	19
19583a	23	9(1)	2	18[7]	-	-	-	-	18
19598	23	16	2	18	3	3	3	3	18
19600	23	14	0	14	3	3	3	3	15
19604	23	13	0	14[1]	3	3	3	3	20
19606a	24	8	0	8	-	-	-	-	0
19607	23	12	0	12	3	3	3	3	13
19612	23	17	0	17	3	3	3	3	18
19617	23	15	0	15	3	3	3	3	17
19618	23	16	0	16	3	3	3	3	19
19622	23	13	0	13	3	3	3	3	13
19623	23	19	0	19	3	3	3	3	19

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
[ ] = NUMBER OF PUPS IN WHICH CANNIBALIZATION AND/OR AUTOLYSIS PRECLUDED THE DETERMINATION OF VIABILITY.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 9): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP V 10.0 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	5a M	5a F	5b M	5b F	8 M	8 F	12 M	12 F	14 M	14 F
19502	23	15	0	15	6	9	6	9	4	4	4	4	3	3	3	3
19512	23	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19528c	22	11	0	11	8	3	8	3	5	3	5	3	-	-	-	-
19529	23	13	0	13	5	8	5	7	4	4	4	4	3	3	3	3
19532	23	16	0	16	6	10	6	10	4	4	4	4	3	3	3	3
19540	23	18(1)	0	18	10	7	10	7	4	4	4	4	3	3	3	3
19541	23	12	0	12	6	6	6	6	4	4	4	4	3	3	3	3
19543	23	14	0	14	7	7	7	7	4	4	4	4	3	3	3	3
19546	23	16	0	16	7	9	7	9	4	4	4	4	3	3	3	3
19548	NOT PREGNANT															
19551	23	13	1	14	5	8	5	8	4	4	4	4	3	3	3	3
19552	23	16	0	16	8	8	8	7	4	4	4	4	3	3	3	3
19553	23	17	0	17	8	9	7	9	4	4	4	4	3	3	3	3
19559c	23	3	1	4	-	3	-	3	-	3	-	3	-	-	-	-
19560c	23	12	1	13	6	6	6	6	4	4	4	4	-	-	-	-
19564	23	16	0	16	8	8	8	8	4	4	4	4	3	3	3	3
19570	23	17	0	17	13	4	13	4	4	4	4	4	3	3	3	3
19572	23	15	0	15	8	7	7	6	4	4	4	4	3	3	3	3
19574	22	17	0	17	10	7	10	7	4	4	4	4	3	3	3	3
19591c	23	13	0	13	3	10	3	10	3	5	3	5	-	-	-	-
19595	23	18(1)	0	18	10	7	10	7	4	4	4	4	3	3	3	3
19601	23	16	0	16	6	10	5	10	4	4	4	4	3	3	3	3
19613	23	16	0	16	11	5	11	5	4	4	4	4	3	3	3	3
19620	23	14(1)	0	14	8	5	8	5	4	4	4	4	3	3	3	3
19624	23	18	0	18	10	8	10	7	4	4	4	4	3	3	3	3

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Number of live pups preculling.
b. Number of live pups postculling.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B28 (PAGE 10): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA -
Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

DOSAGE GROUP V 10.0 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 18 M	18 F	22 M	22 F	TOTAL IMPLANTATIONS N
19502	23	15	0	15	3	3	3	3	17
19512	23	14	0	14	3	3	3	3	14
19528a	22	11	0	11	-	-	-	-	13
19529	23	13	0	13	3	3	3	3	13
19532	23	16	0	16	3	3	3	3	16
19540	23	18(1)	0	18	3	3	3	3	20
19541	23	12	0	12	3	3	3	3	14
19543	23	14	0	14	3	3	3	3	15
19546	23	16	0	16	3	3	3	3	17
19548	NOT PREGNANT								
19551	23	13	1	14	3	3	3	3	16
19552	23	16	0	16	3	3	3	3	16
19553	23	17	0	17	3	3	3	3	18
19559a	23	3	1	4	-	-	-	-	6
19560a	23	12	1	13	-	-	-	-	17
19564	23	16	0	16	3	3	3	3	16
19570	23	17	0	17	3	3	3	3	18
19572	23	15	0	15	3	3	3	3	16
19574	22	17	0	17	3	3	3	3	17
19591a	23	13	0	13	-	-	-	-	17
19595	23	18(1)	0	18	3	3	3	3	20
19601	23	16	0	16	3	3	3	3	17
19613	23	16	0	16	3	3	3	3	18
19620	23	14(1)	0	14	3	3	3	3	17
19624	23	18	0	18	3	3	3	3	18

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 1): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 5a			DAY 5b			DAY 8			DAY 12			DAY 14		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
19503	FOUND DEAD ON DAY 22 OF GESTATION																	
19505	7.6	7.2	7.4	11.5	11.1	11.3	11.3	11.1	11.2	18.0	18.0	18.0	27.7	27.2	27.4	33.8	33.2	33.5
19508	6.3	5.9	6.2	8.7	8.2	8.5	8.6	7.9	8.3	14.7	13.6	14.2	21.6	20.4	21.0	27.1	25.3	26.2
19513	8.0	7.6	7.9	14.3	13.3	13.9	14.4	13.3	13.8	23.0	21.1	22.1	33.9	30.8	32.3	40.8	37.1	38.9
19519	7.1	6.3	6.8	10.2	9.3	9.9	10.2	9.2	9.7	17.4	15.7	16.6	27.9	26.1	27.0	33.2	31.1	32.1
19520	6.3	6.2	6.2	10.3	9.3	9.6	10.3	9.4	9.9	15.9	15.2	15.6	25.2	25.1	25.1	31.7	31.7	31.7
19523	7.0	6.4	6.7	10.5	10.3	10.4	10.4	10.1	10.3	18.7	17.8	18.3	30.8	29.8	30.3	38.9	36.9	37.9
19526	6.8	6.4	6.6	10.2	9.9	10.1	10.4	9.8	10.1	17.6	17.0	17.3	29.0	26.9	28.0	36.6	33.7	35.2
19530	6.3	5.8	6.0	9.9	8.8	9.2	9.8	9.2	9.5	17.4	16.2	16.8	29.9	28.5	29.2	37.2	36.0	36.6
19549c	6.2	5.7	6.0	8.6	8.0	8.4	8.8	8.1	8.4	12.8	13.0	12.9						
19556	6.2	6.0	6.1	10.0	9.7	9.8	10.4	9.8	10.1	17.4	16.3	16.9	27.9	27.0	27.4	34.1	33.2	33.6
19558	7.4	6.6	7.0	11.5	10.6	11.0	11.6	11.0	11.3	20.4	19.0	19.7	29.9	27.9	28.9	36.0	34.3	35.1
19561	6.3	6.0	6.2	8.9	8.8	8.8	9.0	9.1	9.1	14.9	14.5	14.7	25.6	25.1	25.4	32.9	33.3	33.1
19563	7.0	6.7	6.9	MORIBUND SACRIFICED ON DAY 1 OF LACTATION														
19565	8.0	7.4	7.6	12.3	11.5	11.8	12.3	11.8	12.1	21.2	20.2	20.7	32.4	30.3	31.4	39.6	37.5	38.5
19571	7.1	6.7	6.9	10.0	9.4	9.7	10.0	9.3	9.6	17.4	16.6	17.0	27.6	26.0	26.8	34.6	32.5	33.6
19580	7.0	7.1	7.1	11.8	11.5	11.6	12.4	11.7	12.0	20.5	19.4	20.0	30.4	29.1	29.8	36.7	35.6	36.2
19582	7.2	6.9	7.0	10.5	10.2	10.3	10.6	10.4	10.5	17.6	17.0	17.3	27.1	26.6	26.8	34.0	32.9	33.4
19585	6.7	6.3	6.5	10.0	9.8	9.9	10.6	9.8	10.2	17.6	16.4	17.0	28.3	27.2	27.8	34.5	33.8	34.2
19608c	6.5	6.2	6.2	10.3	10.0	10.0	10.3	10.3	10.3	17.1	16.9	17.0						
19610	8.2	7.8	8.0	12.9	11.8	12.3	13.2	12.5	12.9	22.5	21.4	22.0	33.7	32.2	33.0	42.1	39.2	40.6
19611	7.4	6.7	6.9	9.8	9.4	9.5	9.8	10.2	10.0	16.6	17.4	17.0	27.4	29.7	28.5	33.8	35.9	34.8
19614c	6.4	6.2	6.4	9.2	8.4	9.1	9.4	8.4	9.1	17.3	15.9	16.9						
19621	6.6	6.6	6.6	10.2	9.9	10.1	10.2	9.8	10.0	17.6	17.2	17.4	28.3	27.6	28.0	35.7	34.7	35.2
19625	7.3	6.5	6.8	12.5	11.2	11.7	12.5	11.5	12.0	20.2	18.7	19.4	31.4	29.2	30.3	37.5	35.1	36.3

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling
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c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 2): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT/ LITTER NUMBER	DAY 18 M	DAY 18 F	DAY 18 T	DAY 22 M	DAY 22 F	DAY 22 T
19503	FOUND DEAD ON DAY 22 OF GESTATION					
19505	44.3	43.6	44.0	62.2	61.4	61.8
19508	35.0	33.0	34.0	50.4	47.6	49.0
19513	53.6	46.3	49.9	73.6	63.3	68.4
19519	45.0	41.8	43.4	60.0	55.7	57.8
19520	42.2	41.0	41.6	57.1	53.9	55.5
19523	51.1	47.3	49.2	67.6	62.2	64.9
19526	45.8	42.4	44.1	58.3	54.6	56.4
19530	49.6	47.8	48.7	62.6	59.1	60.8
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19556	45.9	46.1	46.0	60.3	59.7	60.0
19558	48.3	46.1	47.2	64.9	60.6	62.7
19561	42.3	42.2	42.3	55.2	53.7	54.4
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION					
19565	50.5	47.1	48.8	69.7	64.7	67.2
19571	46.4	44.5	45.4	60.1	56.1	58.1
19580	48.8	48.7	48.7	64.2	62.1	63.2
19582	43.5	42.4	42.9	58.2	57.4	57.8
19585	44.5	44.4	44.4	58.6	58.1	58.4
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19610	55.0	51.0	53.0	74.9	67.6	71.3
19611	44.7	46.1	45.4	57.3	58.9	58.1
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19621	46.9	44.9	45.9	60.3	56.8	58.5
19625	48.4	45.9	47.2	66.1	61.8	64.0

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 3): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 5a			DAY 5b			DAY 8			DAY 12			DAY 14		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
19501	5.8	5.4	5.6	7.3	6.2	6.9	7.7	6.3	7.0	12.4	9.0	10.7	22.0	16.1	19.0	28.4	21.9	25.2
19511	6.7	6.2	6.5	9.6	8.7	9.2	9.7	9.2	9.5	16.6	15.7	16.1	27.1	25.5	26.3	33.9	33.1	33.5
19514	6.6	6.3	6.4	11.0	10.5	10.7	10.7	10.4	10.6	17.4	17.2	17.2	27.6	27.0	27.3	33.7	32.9	33.3
19515	NOT PREGNANT																	
19516	NOT PREGNANT																	
19524c	7.2	6.5	6.6	12.9	11.1	11.4	12.9	11.1	11.4	19.8	18.3	18.5						
19527c	6.6	6.4	6.5	10.8	10.3	10.4	10.8	10.4	10.6	18.1	17.8	18.0						
19531	6.8	6.3	6.6	10.3	10.0	10.2	10.1	10.4	10.2	16.5	17.6	17.0	28.0	28.4	28.2	34.7	35.6	35.2
19533	6.4	6.0	6.2	10.4	9.7	10.0	10.6	9.9	10.2	17.3	16.1	16.7	27.7	25.2	26.4	34.6	32.4	33.5
19534	7.6	7.3	7.4	11.8	11.2	11.3	11.8	11.2	11.5	20.1	19.2	19.6	31.6	30.5	31.0	39.3	38.1	38.7
19536	6.8	6.2	6.3	10.2	9.6	9.8	10.2	9.7	9.9	16.3	15.3	15.7	28.3	26.5	27.3	34.8	33.3	33.9
19542c	7.1	7.0	7.1	10.6	10.4	10.6	11.0	10.4	10.9	18.1	16.9	17.8						
19562	6.8	6.5	6.7	11.4	10.8	11.1	11.9	10.9	11.4	19.9	19.0	19.4	31.2	29.7	30.4	36.6	34.9	35.8
19566	6.5	5.6	6.0	9.4	8.7	9.0	9.4	8.9	9.1	15.1	14.6	14.9	26.8	25.3	26.0	34.3	32.6	33.5
19575	6.8	6.5	6.7	9.6	9.2	9.4	9.7	9.2	9.5	16.3	15.5	15.9	25.9	24.0	25.0	28.4	27.2	27.8
19576	6.9	6.3	6.8	10.3	9.6	10.1	10.1	9.6	9.9	17.0	15.8	16.4	25.7	24.0	24.8	31.3	29.7	30.5
19590	7.6	7.2	7.4	11.2	10.5	10.8	11.2	10.9	11.0	18.3	18.0	18.2	28.1	27.4	27.7	35.8	34.0	34.9
19593	6.5	6.2	6.4	9.2	9.3	9.2	8.9	9.7	9.3	15.3	16.7	16.0	25.2	27.2	26.2	30.2	32.5	31.3
19594	7.1	6.6	6.8	10.0	9.6	9.8	10.1	9.6	9.8	15.8	14.3	15.1	26.1	23.2	24.7	33.5	30.0	31.7
19599	6.7	6.3	6.5	12.1	12.0	12.0	11.8	11.7	11.7	18.8	18.4	18.6	30.1	29.0	29.6	33.2	34.6	33.9
19602	7.3	7.1	7.2	11.4	11.4	11.4	11.6	11.7	11.6	19.6	19.8	19.7	31.5	33.0	32.3	38.8	40.8	39.8
19605	7.8	7.3	7.6	11.4	10.5	11.0	11.7	11.0	11.4	18.4	17.6	18.0	27.6	27.1	27.4	33.6	32.7	33.1
19609	6.5	6.1	6.4	10.0	9.2	9.8	10.4	9.2	9.8	17.6	16.3	16.9	29.2	27.8	28.5	36.6	33.5	35.1
19615	6.3	5.9	6.1	10.0	9.3	9.8	10.5	9.5	10.0	18.0	16.0	17.0	30.1	28.2	29.2	36.4	34.5	35.4
19619	7.2	6.8	7.0	7.5	7.1	7.4	8.4	7.2	7.8	10.1	8.4	9.1	17.4	14.9	16.2	21.5	18.4	19.9

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling
b. Postculling
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 4): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 18 M	DAY 18 F	DAY 18 T	DAY 22 M	DAY 22 F	DAY 22 T
19501	41.1	33.2	37.2	50.7	41.8	46.2
19511	46.3	44.2	45.3	59.9	58.4	59.1
19514	45.3	43.6	44.6	61.7	59.6	60.9
19515	NOT PREGNANT					
19516	NOT PREGNANT					
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19531	46.8	46.2	46.5	58.9	59.5	59.2
19533	43.3	40.4	41.8	54.6	50.3	52.4
19534	48.9	47.5	48.2	65.9	63.7	64.8
19536	45.3	43.3	44.3	59.4	54.6	57.0
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19562	47.1	45.5	46.3	61.9	58.7	60.3
19566	46.3	44.0	45.1	60.6	57.0	58.8
19575	35.5	34.1	34.8	50.5	48.1	49.3
19576	41.4	39.1	40.3	53.9	51.9	52.9
19590	46.9	44.8	45.8	63.7	61.3	62.5
19593	42.5	44.9	43.7	58.4	60.2	59.3
19594	45.1	41.7	43.4	55.8	51.2	53.5
19599	47.1	45.5	46.1	61.2	57.4	58.9
19602	52.5	54.9	53.7	70.2	71.6	70.9
19605	42.6	41.9	42.3	63.1	61.8	62.4
19609	46.4	43.1	44.8	60.6	56.4	58.5
19615	46.2	43.4	44.8	64.4	59.9	62.2
19619	32.7	27.9	30.3	43.3	37.7	40.5

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 5): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 5a			DAY 5b			DAY 8			DAY 12			DAY 14		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
19504	7.0	6.6	6.7	10.6	9.9	10.2	10.5	10.2	10.4	17.7	17.0	17.3	27.7	27.5	27.6	35.4	33.8	34.6
19509	NOT PREGNANT																	
19510	NOT PREGNANT																	
19518	NOT PREGNANT																	
19521	6.9	6.4	6.7	11.4	11.0	11.2	11.5	11.0	11.2	17.8	17.4	17.6	29.8	28.2	29.0	37.1	35.6	36.4
19535	6.0	6.2	6.2	8.2	7.5	7.6	8.2	8.0	8.1	13.7	13.4	13.5	24.4	24.6	24.6	31.1	30.9	31.0
19538c	7.0	6.4	6.5	10.4	10.1	10.2	10.4	10.2	10.3	17.5	17.3	17.4						
19539	6.3	6.1	6.2	10.8	10.7	10.8	11.1	10.6	10.9	18.1	17.3	17.7	29.2	28.8	29.0	36.2	36.3	36.3
19547	7.2	7.3	7.2	11.4	11.0	11.2	12.0	11.2	11.6	20.3	19.2	19.8	31.0	31.1	31.0	37.1	37.0	37.0
19550	FOUND DEAD ON DAY 22 OF GESTATION																	
19555	6.8	6.4	6.6	8.1	7.4	7.8	8.2	7.7	8.0	10.8	10.4	10.6	21.8	20.1	21.0	30.4	28.8	29.6
19567	6.2	6.0	6.1	9.4	8.8	9.2	9.8	9.0	9.4	16.4	15.0	15.7	28.6	25.9	27.2	37.0	33.4	35.2
19568	6.3	6.0	6.2	11.2	11.2	11.2	11.6	11.1	11.3	18.7	17.8	18.2	28.7	27.5	28.1	35.2	34.0	34.6
19578	7.1	6.7	6.9	11.3	10.4	10.9	11.8	10.5	11.1	17.7	16.3	17.0	27.7	27.0	27.4	33.8	32.9	33.4
19579	6.5	6.1	6.3	9.6	8.6	9.1	9.8	8.6	9.2	16.4	14.0	15.2	27.6	24.5	26.1	33.9	30.2	32.1
19584	7.8	7.3	7.6	12.7	12.0	12.3	12.5	12.4	12.4	20.4	19.9	20.1	31.8	29.9	30.8	37.7	36.0	36.8
19586	6.5	5.9	6.1	8.8	8.2	8.4	8.8	8.4	8.6	15.6	15.0	15.3	26.5	26.0	26.2	35.0	34.3	34.7
19587	6.5	6.8	6.7	9.5	9.8	9.6	10.0	9.8	9.9	17.0	16.7	16.8	27.8	27.5	27.6	33.6	32.9	33.3
19588	6.1	5.4	5.9	8.5	7.7	8.2	8.3	8.0	8.2	13.2	12.5	12.9	23.6	21.8	22.7	29.3	27.2	28.2
19589	8.1	7.7	7.8	12.1	11.7	11.8	12.5	11.6	12.0	20.6	19.1	19.8	31.5	28.7	30.1	39.8	35.7	37.8
19592	6.6	6.6	6.6	9.5	9.2	9.3	9.4	9.4	9.4	15.6	16.2	15.8	26.4	26.5	26.4	33.2	31.3	32.2
19596	6.4	6.2	6.3	10.4	9.6	10.0	10.4	9.7	10.1	17.6	16.4	17.0	27.6	25.8	26.7	33.7	32.2	33.0
19597	6.3	6.0	6.1	9.3	8.8	9.1	9.6	8.6	9.1	17.6	15.5	16.5	28.0	26.3	27.1	35.0	33.0	34.0
19603	7.1	6.4	6.7	10.8	9.9	10.4	10.9	10.2	10.5	18.2	16.9	17.6	27.8	26.4	27.1	33.6	32.1	32.9
19616	6.7	6.4	6.5	9.7	9.1	9.3	9.9	9.2	9.5	16.2	16.3	16.2	26.4	26.4	26.4	32.1	32.6	32.4

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

a. Preculling
b. Postculling
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 6): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 18 M	DAY 18 F	DAY 18 T	DAY 22 M	DAY 22 F	DAY 22 T
19504	44.8	43.3	44.0	60.4	55.8	58.1
19509	NOT PREGNANT					
19510	NOT PREGNANT					
19518	NOT PREGNANT					
19521	48.5	46.5	47.5	61.7	59.7	60.7
19535	43.0	42.4	42.7	56.3	54.9	55.6
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19539	46.9	46.0	46.5	61.5	59.5	60.5
19547	51.3	49.4	50.3	68.0	64.5	66.2
19550	FOUND DEAD ON DAY 22 OF GESTATION					
19555	41.2	40.0	40.6	53.9	51.3	52.6
19567	46.0	42.6	44.3	60.8	55.0	57.9
19568	47.1	46.1	46.6	61.4	59.3	60.4
19578	43.3	42.8	43.0	58.4	57.3	57.8
19579	46.6	43.1	44.8	59.6	54.4	57.0
19584	52.0	48.8	50.4	69.9	64.7	67.3
19586	47.7	46.2	46.9	63.3	60.8	62.0
19587	46.8	45.4	46.1	59.8	58.9	59.4
19588	42.7	39.6	41.2	53.3	49.4	51.3
19589	49.5	43.7	46.6	69.8	58.1	63.9
19592	43.9	41.7	42.8	62.4	58.8	60.6
19596	45.1	42.5	43.8	56.1	52.7	54.4
19597	45.9	44.0	45.0	62.4	60.6	61.5
19603	42.7	42.0	42.4	59.6	55.2	57.4
19616	40.8	41.1	41.0	57.7	56.6	57.1

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 7): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 5a			DAY 5b			DAY 8			DAY 12			DAY 14		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
19506	6.8	6.4	6.6	9.0	8.8	8.9	9.0	8.5	8.8	14.9	14.0	14.4	24.4	22.6	23.5	31.6	29.0	30.3
19507	NOT PREGNANT																	
19517	NOT PREGNANT																	
19522	6.6	6.1	6.4	11.5	11.0	11.2	12.3	11.2	11.7	20.1	19.0	19.5	32.7	31.3	32.0	39.5	38.1	38.8
19525	6.4	5.9	6.1	10.1	9.2	9.5	10.2	9.0	9.6	17.8	15.7	16.7	29.0	27.9	28.4	36.5	34.9	35.7
19537c	7.2	6.6	7.0	9.6	8.6	9.4	9.7	8.6	9.3	15.5	13.6	14.8						
19544	7.3	6.7	7.0	10.0	9.5	9.8	9.9	9.7	9.8	16.8	16.7	16.8	29.7	28.8	29.3	35.4	35.1	35.2
19545	6.9	6.4	6.8	9.5	9.3	9.4	9.9	9.3	9.6	16.5	15.6	16.0	27.0	25.0	26.0	33.9	31.9	32.9
19554	5.6	5.4	5.5	9.6	9.4	9.5	9.8	9.4	9.6	17.0	16.2	16.6	27.6	27.2	27.4	33.1	32.1	32.6
19557	6.2	5.8	6.1	9.8	8.9	9.5	10.0	8.9	9.4	15.8	14.2	15.0	26.3	24.8	25.6	33.1	30.8	32.0
19569	7.7	7.4	7.5	12.9	11.5	12.0	13.5	11.9	12.7	21.8	20.4	21.1	35.1	32.4	33.8	42.9	39.5	41.2
19573	6.2	6.1	6.2	8.7	8.6	8.6	8.6	8.5	8.6	13.2	12.8	13.0	23.7	22.9	23.3	29.9	28.9	29.4
19577	7.3	6.7	7.0	10.1	9.0	9.5	10.0	9.2	9.6	16.6	15.7	16.1	29.1	26.7	27.9	36.7	33.6	35.2
19581	7.0	6.3	6.6	10.0	9.0	9.4	10.4	9.6	10.0	17.4	16.3	16.9	25.5	24.8	25.2	32.8	31.4	32.1
19583c	7.6	6.5	7.1	11.7	10.7	11.3	11.7	10.7	11.3	16.6	15.4	16.1						
19598	6.6	6.0	6.4	9.7	8.9	9.4	9.7	8.9	9.3	16.4	15.7	16.1	27.3	26.2	26.8	33.7	32.4	33.1
19600	7.0	6.7	6.8	11.2	10.6	10.9	11.1	10.6	10.8	19.0	18.8	18.9	28.7	28.0	28.4	36.1	34.6	35.3
19604	7.2	7.0	7.0	12.8	12.4	12.5	12.8	12.4	12.6	21.5	21.0	21.3	34.1	32.2	33.2	40.7	39.8	40.3
19606c	7.8	7.6	7.7	9.2	8.5	9.0	9.2	8.5	9.0	13.9	13.2	13.7						
19607	6.7	6.3	6.5	11.2	10.4	10.9	11.4	10.4	10.9	18.3	16.7	17.5	29.0	26.6	27.8	34.2	32.3	33.2
19612	6.2	6.0	6.2	8.8	8.3	8.7	8.9	8.4	8.6	15.6	14.9	15.2	26.1	25.8	26.0	32.8	32.1	32.4
19617	7.0	6.5	6.8	11.4	10.3	11.0	11.8	10.2	11.0	20.3	18.2	19.2	29.1	26.7	27.9	35.4	32.8	34.1
19618	7.2	6.0	6.5	9.8	8.0	8.7	10.0	9.4	9.7	15.6	15.0	15.3	23.9	22.9	23.4	30.4	29.9	30.2
19622	6.6	6.5	6.6	11.0	11.3	11.2	11.2	11.8	11.5	18.6	18.7	18.6	29.9	29.8	29.8	35.1	34.3	34.7
19623	6.5	6.2	6.4	8.2	8.4	8.3	8.1	8.4	8.2	14.0	14.3	14.2	25.2	25.8	25.5	33.1	33.9	33.5

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

a. Preculling
b. Postculling
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 8): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 18 M	DAY 18 F	DAY 18 T	DAY 22 M	DAY 22 F	DAY 22 T
19506	42.7	39.2	41.0	54.9	49.3	52.1
19507	NOT PREGNANT					
19517	NOT PREGNANT					
19522	53.0	51.1	52.0	70.4	64.9	67.7
19525	49.2	46.2	47.7	64.6	60.9	62.8
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19544	50.0	48.7	49.4	63.0	60.7	61.8
19545	44.6	41.4	43.0	57.8	53.0	55.4
19554	44.3	43.0	43.7	60.3	55.9	58.1
19557	45.6	42.9	44.2	58.4	55.2	56.8
19569	57.8	54.8	56.3	74.3	69.9	72.1
19573	39.3	38.4	38.8	47.7	46.7	47.2
19577	47.8	44.5	46.2	64.4	58.2	61.3
19581	42.9	41.1	42.0	57.1	53.8	55.5
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19598	47.2	45.5	46.4	59.2	56.4	57.8
19600	50.2	47.6	48.9	68.2	64.2	66.2
19604	51.7	50.8	51.2	68.5	67.2	67.9
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19607	44.5	42.3	43.4	53.0	49.9	51.4
19612	44.0	42.1	43.0	56.4	54.6	55.5
19617	48.8	45.5	47.2	65.9	59.5	62.7
19618	43.8	40.8	42.3	55.7	51.2	53.5
19622	43.6	42.6	43.1	58.9	57.4	58.2
19623	46.0	46.0	46.0	57.0	56.6	56.8

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 9): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 5a			DAY 5b			DAY 8			DAY 12			DAY 14		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
19502	7.1	6.7	6.9	11.3	10.8	11.0	11.5	10.8	11.1	19.1	18.0	18.6	28.8	27.0	27.9	35.0	32.9	34.0
19512	6.8	6.2	6.5	10.5	10.0	10.2	10.4	9.9	10.1	18.0	17.3	17.6	29.5	29.1	29.3	36.6	35.7	36.2
19528c	6.6	6.1	6.4	11.2	9.9	10.8	11.1	9.9	10.7	17.8	16.2	17.2						
19529	7.7	6.9	7.2	13.3	11.8	12.4	13.3	11.6	12.4	21.0	18.7	19.8	32.8	29.6	31.2	40.0	35.9	38.0
19532	6.8	6.7	6.7	10.7	10.2	10.4	11.2	10.4	10.8	19.2	17.6	18.4	30.0	26.7	28.4	36.7	33.1	34.9
19540	7.3	7.2	7.3	12.6	12.2	12.4	12.6	12.4	12.5	20.2	20.2	20.2	31.2	32.4	31.8	38.4	39.0	38.7
19541	8.0	8.1	8.0	13.5	13.2	13.3	13.4	13.2	13.3	20.2	20.0	20.1	31.8	32.2	32.0	39.1	39.1	39.1
19543	6.8	6.3	6.5	10.0	8.9	9.4	9.9	8.8	9.4	16.4	14.4	15.4	25.8	24.5	25.2	33.0	31.4	32.2
19546	7.2	6.7	6.9	10.4	9.7	10.0	10.6	9.5	10.0	18.4	16.7	17.6	28.7	27.0	27.8	36.8	34.7	35.8
19548	NOT PREGNANT																	
19551	7.6	7.2	7.4	10.6	10.0	10.2	10.6	9.9	10.3	17.6	16.8	17.2	28.7	27.1	27.9	35.4	33.4	34.4
19552	6.5	6.3	6.4	8.9	9.2	9.0	9.4	9.6	9.5	16.6	16.8	16.8	27.7	27.5	27.6	35.9	35.7	35.8
19553	7.6	7.3	7.4	10.6	9.4	10.0	11.0	10.2	10.6	18.0	17.1	17.6	28.5	26.3	27.4	34.7	32.5	33.6
19559c	---	7.2	7.2	---	11.0	11.0	---	11.0	11.0	---	17.3	17.3						
19560c	6.8	7.0	6.9	10.9	10.9	10.9	11.0	10.6	10.8	17.6	17.3	17.5						
19564	6.3	6.8	6.6	9.4	10.2	9.8	10.5	10.2	10.4	16.9	17.2	17.0	27.6	26.9	27.2	34.9	35.2	35.1
19570	7.9	7.3	7.7	12.7	11.6	12.4	13.0	11.6	12.3	23.5	20.8	22.2	35.3	32.2	33.8	43.1	40.6	41.9
19572	6.6	6.0	6.3	7.9	7.5	7.7	8.3	7.7	8.0	13.0	12.2	12.6	22.4	21.0	21.7	27.5	26.1	26.8
19574	6.0	5.6	5.8	10.1	9.2	9.7	10.0	9.3	9.7	15.8	15.1	15.4	27.6	25.3	26.5	33.5	31.0	32.2
19591c	6.6	6.1	6.2	10.0	9.3	9.5	10.0	9.3	9.6	14.9	13.8	14.2						
19595	7.5	7.0	7.3	11.6	10.9	11.3	12.4	11.1	11.8	22.1	20.2	21.1	32.8	30.4	31.6	40.7	38.1	39.4
19601	7.1	7.0	7.0	11.2	10.8	10.9	11.0	10.7	10.9	17.0	16.4	16.7	27.7	27.8	27.8	32.8	33.0	32.9
19613	6.6	6.3	6.5	9.6	9.5	9.6	9.8	9.5	9.6	14.9	14.3	14.6	27.2	25.1	26.2	34.4	31.7	33.1
19620	6.5	6.3	6.4	11.4	11.0	11.3	11.5	11.0	11.3	18.4	17.9	18.1	29.4	27.3	28.3	36.2	34.1	35.2
19624	6.1	5.8	6.0	9.7	9.4	9.6	9.5	9.6	9.6	16.8	17.0	16.9	27.8	27.9	27.9	34.5	34.3	34.4

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling
b. Postculling
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B29 (PAGE 10): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 18 M	DAY 18 F	DAY 18 T	DAY 22 M	DAY 22 F	DAY 22 T
19502	47.3	44.4	45.9	65.0	57.7	61.4
19512	49.1	47.4	48.3	64.5	62.4	63.4
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19529	50.6	44.9	47.7	67.7	59.3	63.5
19532	49.5	45.1	47.3	65.9	56.8	61.3
19540	48.7	49.4	49.0	66.7	65.6	66.2
19541	50.5	52.2	51.4	64.9	66.4	65.7
19543	40.8	38.8	39.8	53.8	50.2	52.0
19546	48.3	45.5	46.9	64.5	58.9	61.7
19548	NOT PREGNANT					
19551	47.2	45.3	46.3	61.8	56.4	59.1
19552	49.6	47.1	48.3	59.5	59.7	59.6
19553	46.8	43.5	45.1	59.3	56.1	57.7
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19564	46.6	45.6	46.1	61.2	59.4	60.3
19570	54.6	51.4	53.0	74.9	68.4	71.6
19572	39.2	37.8	38.5	49.9	46.8	48.3
19574	44.0	40.5	42.3	54.2	50.9	52.6
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION					
19595	51.8	48.9	50.4	69.4	66.1	67.7
19601	46.1	47.1	46.6	62.2	60.3	61.2
19613	44.4	44.2	44.3	58.7	56.5	57.6
19620	45.5	42.6	44.1	61.6	56.3	59.0
19624	46.8	44.9	45.8	61.1	59.6	60.3

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 1): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY						POSTPARTUM DAY 1							
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	7.9	7.5	7.4	7.8	7.3	7.3	7.0	7.4	7.2	7.3										
19508	6.1	6.4	6.4	6.5	6.0	6.5	6.1	6.4	6.8	6.0	MS	5.8	5.9	5.3	6.3	6.3				
19513	8.0	8.6	8.9	7.6	8.2	7.2	7.8	7.2	8.1	7.7	7.4									
19519	7.2	7.3	6.9	7.9	6.8	6.7	6.6	7.2	7.3	6.4	6.3	6.2	6.5	6.1						
19520	6.7	6.8	7.2	6.3	4.7	MS	6.2	6.1	6.3	6.3	5.8	5.9	6.1	6.3	6.6	6.1	6.4	FS		
19523	7.6	7.1	6.9	6.4	7.1	6.8	7.0	MS	6.1	6.4	5.8	6.7	6.0	6.5	6.9	7.0				
19526	7.0	6.5	6.9	6.9	6.9	6.4	7.4	6.4	6.8	6.4	6.2	6.4	6.3	6.4	6.4					
19530	6.3	6.2	6.7	6.3	5.8	6.3	6.6	6.0	6.2	6.1	5.1	6.0	5.7	5.7	5.8	6.1	6.0	4.8		
19549	6.1	6.5	5.4	6.3	6.7	6.1	6.0	6.4	6.4	5.6	5.4	6.0	5.5	6.1	5.8					
19556	6.8	6.8	6.0	6.3	5.7	5.7	6.5	6.1	5.3	5.9	5.7	6.2	6.1	5.9	6.0					
19558	8.1	7.7	7.6	7.0	7.9	7.4	5.9	6.0	7.6	5.1	6.5	7.1	7.0	6.9						
19561	6.4	6.4	6.5	6.3	6.3	6.7	7.0	5.2	6.2	6.2	5.9	5.9	6.1	5.9	6.3	5.9				
19563	7.2	7.2	7.7	7.4	6.9	6.5	6.4	MS	FD 1	6.9	6.5	6.4	6.9	6.7	6.6					
19565	8.5	7.2	7.8	8.0	8.3	6.8	7.9	6.8	8.0	7.6	8.3	7.2	7.2	7.3						
19571	7.0	7.2	6.4	7.8	7.5	6.9	6.9	6.8	6.8	6.4	7.1	7.3	6.1	6.6						
19580	6.3	7.0	7.1	7.0	7.4	6.8	7.7	7.1	7.2	7.2	7.4	6.8	7.5	6.6	7.1					
19582	7.0	7.0	7.2	7.8	6.9	7.3	6.8	6.9	7.2	7.1	6.4	6.8	7.4	6.6						
19585	5.8	7.4	6.7	6.5	6.8	6.5	6.1	7.0	7.3	6.8	6.4	6.2	6.2	6.2	6.3	6.4	6.4			
19608	6.4	6.8	6.2	6.4	6.0	6.1	5.9	5.6	6.0	5.7	6.9	6.6	6.6	6.1						
19610	7.9	8.5	8.5	8.2	8.1	8.1	6.4	8.4	7.9	8.0	7.3	8.2	8.4							
19611	7.3	7.3	7.4	7.5	7.1	6.6	7.6	6.7	6.6	6.8	6.7	6.0	7.3	6.0						
19614	6.3	6.3	6.4	6.4	6.8	6.6	6.5	5.8	5.7	6.7	6.9	6.8	6.4	5.9						
19621	6.5	6.5	6.7	6.1	6.8	7.2	6.7	7.1	6.6	6.5	6.2	6.5	6.7	6.4						
19625	7.8	6.8	7.5	7.2	6.0	7.0	6.2	6.8	6.8	6.5	6.4	6.7	6.3							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 2): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY					POSTPARTUM DAY 1							
19501	5.8	5.5	5.6	5.6	6.2	5.7	5.8	6.0	5.6	5.7	5.3	5.3	5.0	5.8	5.4	5.5	5.3			
19511	6.9	6.6	6.8	6.5	6.7	6.6	7.1	6.4	6.7	6.2	6.5	6.3	6.6	5.2	6.1	FS				
19514	6.5	6.8	6.6	6.9	6.0	6.6	6.5	6.5	5.9	6.2	6.9	5.8	6.3							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	7.2	6.6	5.7	7.0	6.7	6.3	6.5													
19527	6.5	6.9	6.9	6.7	6.7	6.1	6.3	6.6	6.4	6.3	6.3	6.5	6.6	6.4	6.0	6.4				
19531	6.9	7.0	6.8	6.5	7.0	6.4	7.1	6.7	6.5	6.3	6.1	6.1	6.1	6.4	7.0	6.4	6.1			
19533	6.6	6.6	6.5	6.3	6.1	6.4	6.4	5.8	5.4	5.9	6.0	6.1	6.5	6.5	6.0					
19534	7.8	7.6	7.4	7.8	7.1	7.6	7.4	7.2	7.9	6.6	7.5	7.5	6.9	7.0						
19536	6.6	7.5	6.3	6.2	6.4	6.2	6.6	6.2	6.0	5.8	6.0	6.1	6.5							
19542	7.0	7.0	7.4	6.7	6.8	7.2	7.7	6.7	7.4	6.4	7.4	7.9	7.4	6.6	FD 1					
19562	6.5	6.3	7.4	5.4	7.3	7.6	7.4	6.6	7.1	5.6	7.0	6.6	6.2	6.7						
19566	6.6	6.3	6.6	6.4	6.4	6.9	6.5	6.4	5.5	5.6	5.8	5.4	5.9	5.6	5.6	5.4				
19575	7.2	6.6	6.4	7.0	6.7	7.0	6.8	7.1	5.9	6.5	6.6	6.5	7.5	7.3	5.6	6.4				
19576	7.1	7.1	6.3	6.8	6.8	7.4	7.1	7.4	7.1	6.6	6.7	6.4	6.0	6.2	6.7					
19590	8.5	7.2	8.1	7.3	7.7	7.6	7.5	7.1	6.6	6.9	7.8	7.0	7.3	7.4	7.2					
19593	6.3	7.2	6.1	6.3	6.4	5.9	6.6	7.1	MS	MS	6.5	5.7	6.5	6.3	6.5	6.3	5.7			
19594	6.8	7.4	7.1	6.7	7.3	7.0	6.1	6.4	6.8	6.8										
19599	7.3	6.7	6.3	7.1	6.1	6.2	6.8	6.2	5.7	6.8	6.3									
19602	7.6	6.9	7.1	7.8	6.5	8.1	7.0	6.8	7.1	6.9	6.5	7.2	7.3	7.9	6.9	7.2				
19605	7.3	7.6	8.4	8.8	7.3	7.8	7.6	8.2	7.5	8.0	6.8	7.6	5.4	8.3	7.9					
19609	6.2	7.0	6.1	6.5	6.2	6.7	7.0	6.9	6.7	6.6	6.4	6.2	6.0	6.3	6.6	6.1	5.6			
19615	6.8	7.1	5.2	5.2	6.8	6.5	5.7	7.1	6.1	6.1	5.9	5.9	5.4	6.0						
19619	8.0	6.6	8.2	6.7	6.7	8.1	6.0	6.1	7.4	8.1	MS	6.5	6.5	6.8	7.9	5.5	7.5			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 3): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY						POSTPARTUM DAY 1						
19504	6.7	6.9	7.3	7.4	6.5	7.1	6.4	6.8	6.4	6.4	6.5	6.8	6.6	6.5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	7.3	7.4	6.8	6.5	7.0	6.6	6.8	6.5	6.4	6.3	6.2	6.1	6.9							
19535	7.0	6.3	7.1	3.6	6.4	5.9	6.2	6.5	6.4	6.1	6.2	6.4	6.2	6.2	6.1	6.0				
19538	6.7	7.4	6.8	6.5	6.6	6.5	6.3	6.5	6.6	6.7	6.5	6.7	6.5	6.2	6.5	5.6				
19539	6.4	5.8	6.4	6.5	6.6	6.0	6.1	6.0	6.2	6.0	6.1	7.0	5.9	5.9						
19547	7.2	6.9	7.5	6.9	7.3	7.0	7.1	7.2	7.0	7.8	7.4	8.2	6.9	7.2	7.4	6.8				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	6.9	6.6	6.7	6.8	6.8	7.0	7.2	6.1	6.9	6.5	6.7	6.4	6.0	6.3	6.3	6.4	FS			
19567	6.4	6.5	5.7	6.3	6.3	6.7	5.6	6.4	6.3	6.3	5.8	5.9	6.4	5.7	5.9	6.2	5.8			
19568	6.1	6.6	6.4	6.6	6.5	5.7	6.2	6.1	6.1	6.2	5.8	5.9	5.9	FD 1						
19578	7.2	7.3	6.2	7.9	7.4	7.2	6.8	6.9	6.8	6.9	6.9	6.4	6.8	6.6	6.6					
19579	6.5	6.2	6.1	7.1	6.5	6.3	6.9	MS	6.5	6.2	6.1	5.8	6.2	5.9	5.9	FD 1	FS			
19584	7.8	7.9	7.6	7.9	7.7	7.9	7.7	7.5	7.6	7.5	7.8	6.9	6.4							
19586	6.4	6.7	6.6	6.5	6.1	6.8	6.1	6.3	6.0	5.9	6.0	6.2	5.5	5.6	6.0	5.4	5.9	5.5	6.3	
19587	6.5	6.8	7.3	6.7	6.0	6.6	5.7	6.6	7.2	6.8	6.6	7.1	7.4	6.1	6.5	FS				
19588	6.0	6.2	6.1	5.7	6.0	6.4	6.1	5.9	6.1	6.6	5.7	5.4	5.1	5.6	5.8	5.1				
19589	8.0	8.5	8.4	8.3	7.5	7.8	7.8	6.9	8.1	7.6	7.8	8.1	8.0	7.4	7.4					
19592	6.1	6.6	6.3	6.6	7.4	6.7	6.8	6.3	6.8	5.9	6.7	6.7	7.0	6.1	7.4	6.4				
19596	6.6	6.1	6.6	6.5	6.7	5.7	6.5	6.5	6.1	5.7	6.5	6.1	6.3	7.0	6.0					
19597	6.4	6.1	6.3	6.7	6.1	5.9	6.5	6.2	6.2	6.0	6.3	6.0	6.3	5.9	5.7	5.6				
19603	6.5	7.1	7.7	7.0	7.2	7.1	7.1	6.3	7.0	6.5	5.7	5.9	6.9	6.3						
19616	6.7	6.5	6.0	7.4	6.7	6.9	6.8	6.2	6.6	6.4	6.3	6.6	6.2	6.0	6.4	6.2				

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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 4): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV							3.0 MG/KG/DAY					POSTPARTUM DAY 1							
19506	6.7	6.5	7.0	6.8	6.4	6.7	7.0	6.9	7.0	6.5	6.5	6.3	6.4	6.6	6.6	6.3	6.1	6.8		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	6.7	7.5	6.4	6.6	7.0	6.7	6.7	5.6	6.4	5.5	6.6	6.4	5.9	5.6	6.2	6.3	6.1	6.2		
19525	6.5	6.6	6.1	6.4	6.4	5.3	6.7	6.2	6.1	6.0	6.0	6.0	5.6	6.0	6.3	5.5	6.3			
19537	7.0	7.4	7.1	7.7	6.8	7.1	7.2	6.6	7.5	6.9	7.5	7.1	MD 1	6.3	6.9	6.6				
19544	6.9	7.5	6.8	6.9	8.5	8.0	6.8	7.1	6.8	6.2	6.6	7.0	6.7	7.3	7.0	6.2				
19545	6.8	7.1	7.2	6.9	7.2	7.5	6.4	6.4	6.7	7.1	7.1	6.3	6.6	6.1	6.4	6.3	6.8			
19554	5.7	5.5	5.7	5.7	5.7	5.6	5.9	5.8	4.8	5.4	5.9	5.3	5.7	4.6	5.6	5.3	5.0	5.5		
19557	6.4	6.5	5.8	6.1	6.7	6.7	6.2	6.2	5.7	6.3	5.9	6.1	5.4	5.8	6.1	6.0	5.5	6.0		
19569	7.1	8.9	6.9	7.5	8.5	7.3	7.2	7.5	7.2	7.0	7.7	7.1	8.9	7.8	7.7	6.7	6.7			
19573	6.4	5.9	5.9	6.7	6.2	6.3	6.3	6.0	6.1	6.0	6.3	6.1	6.1							
19577	7.4	7.6	7.6	8.4	6.9	6.5	7.3	7.0	7.3	8.0	6.8	6.8	6.4	6.7	6.1	6.4	6.0	6.8		
19581	7.2	6.7	7.6	7.1	7.2	6.2	7.3	6.5	7.6	6.5	6.6	6.2	6.6	6.7	5.3	7.1	7.0	5.5	5.4	
19583	7.2	7.5	7.9	7.8	MU	MU	MU	7.5	6.5	5.0	7.1	FD 1	FS	FS	FU	FU	UU	UU		
19598	6.4	5.9	6.7	6.7	6.6	7.1	6.4	6.9	6.9	6.2	5.8	6.1	6.4	5.7	6.0	6.3	FS	FS		
19600	7.0	6.9	7.4	7.2	6.5	7.1	6.7	6.3	6.4	6.5	6.9	6.6	7.1	6.9						
19604	7.3	6.8	7.4	7.4	MU	6.5	7.4	6.5	6.4	7.4	7.5	7.3	7.1	6.7						
19606	8.2	7.4	7.5	8.4	7.7	7.9	7.5	7.3												
19607	7.1	6.5	6.4	7.1	6.4	6.5	6.7	6.1	6.0	6.3	6.5	6.4								
19612	6.3	6.2	6.0	6.2	6.0	6.1	6.3	6.9	6.3	5.8	6.0	6.3	5.9	5.5	6.1	6.3	6.4			
19617	7.0	7.0	6.7	7.8	7.5	6.5	7.2	7.1	6.7	6.6	6.7	6.2	6.0	6.0	7.3					
19618	6.5	6.9	8.4	7.4	6.4	7.8	8.3	4.9	6.9	5.8	4.4	5.7	6.7	4.3	5.8	7.7				
19622	6.3	6.5	6.7	6.2	7.2	6.5	6.8	7.0	6.2	6.7	6.8	6.3	6.2							
19623	5.6	6.3	6.6	6.7	6.2	7.0	6.5	6.7	7.1	6.2	6.5	6.3	6.1	6.2	6.7	6.2	6.0	6.1	6.1	

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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 5): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V						10.0 MG/KG/DAY						POSTPARTUM DAY 1							
19502	7.7	7.2	7.1	7.2	6.4	7.0	7.1	6.2	6.5	7.3	6.8	6.8	6.5	6.5	6.6					
19512	6.8	6.8	7.0	6.8	6.2	6.3	7.4	6.9	5.9	6.4	5.9	6.4	6.1	5.8						
19528	6.7	6.0	6.8	6.8	6.6	6.3	6.1	7.2	6.4	6.2	5.8									
19529	7.7	7.9	7.3	7.5	8.0	6.1	6.5	7.3	7.1	6.7	7.7	6.6	7.0							
19532	6.0	7.3	6.9	6.5	6.8	7.0	7.0	6.5	7.5	7.4	6.8	6.3	6.9	6.4	6.5	5.9				
19540	6.8	6.5	7.9	7.3	7.5	7.5	7.1	7.1	7.2	8.3	7.1	7.1	8.0	7.9	6.2	7.1	7.3	FD 1		
19541	8.2	8.3	8.3	7.8	7.8	7.8	8.3	7.7	7.8	8.7	7.7	8.2								
19543	7.0	6.6	6.9	6.9	6.6	7.3	6.0	6.5	6.3	6.3	5.6	6.8	6.0	6.6						
19546	7.4	7.1	7.3	6.9	6.9	7.5	7.4	6.7	6.7	7.0	6.6	6.3	6.8	6.7	7.1	6.5				
19548	NOT PREGNANT																			
19551	7.8	8.6	7.0	7.3	7.4	MS	7.3	7.5	7.6	6.8	7.1	7.0	7.2	7.3						
19552	6.7	6.6	6.9	6.7	6.4	6.8	6.6	5.6	5.4	6.6	6.4	7.1	7.0	6.7	4.6	6.6				
19553	7.7	7.2	7.1	7.8	7.4	7.7	7.8	8.0	7.9	7.3	6.4	7.8	7.0	7.7	7.2	8.1	6.6			
19559	7.4	7.0	7.1	FS																
19560	7.1	7.0	6.8	6.8	6.9	6.4	FS	6.9	7.3	7.1	6.3	7.1	7.0							
19564	5.0	6.1	7.1	6.5	5.0	7.2	6.7	7.0	6.9	6.3	7.1	6.9	6.7	6.8	6.6	6.9				
19570	7.9	8.0	8.3	7.5	7.3	8.4	7.7	8.1	7.5	7.4	8.5	8.3	7.5	7.4	7.3	7.1	7.5			
19572	7.2	5.0	6.9	6.9	6.6	6.7	6.6	6.9	6.5	5.8	6.3	4.6	6.2	6.7	6.0					
19574	5.5	6.8	6.2	6.3	5.9	6.3	5.0	5.8	6.3	6.1	5.4	5.5	5.8	5.5	5.6	5.6	5.5			
19591	6.6	6.4	6.8	6.4	6.4	6.2	6.5	5.7	6.2	6.2	4.9	6.4	6.3							
19595	8.1	7.1	7.3	7.7	8.0	6.9	7.2	7.9	7.1	7.4	7.0	6.9	7.7	6.7	7.5	7.0	6.5	FD 1		
19601	6.9	7.0	7.3	6.4	8.1	6.7	7.5	6.8	6.9	7.4	6.7	7.4	6.6	6.9	7.0	7.2				
19613	6.9	6.5	6.8	6.7	6.5	7.5	6.2	6.1	6.7	6.3	6.5	6.6	6.2	6.6	6.0	6.3				
19620	5.9	6.9	6.6	6.6	6.7	6.5	6.3	6.5	MD 1	6.5	6.3	5.7	6.8	6.4						
19624	5.8	6.3	6.0	5.9	5.9	6.9	6.0	6.4	5.7	6.2	6.4	5.5	5.7	5.4	5.8	6.2	5.8	5.6		

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TABLE B30 (PAGE 6): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY						POSTPARTUM DAY 5 PRECULLING							
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	12.5	11.7	10.7	11.3	11.5	11.1	11.0	11.3	10.9	11.2										
19508	8.4	9.3	9.0	8.4	8.6	9.1	8.9	8.1	8.8	8.8	MS	7.2	9.1	7.6	8.5	8.4				
19513	14.2	13.5	14.5	14.4	14.8	15.0	13.7	13.8	12.9	13.6	13.0									
19519	10.2	10.5	10.0	11.1	10.0	10.4	10.3	10.0	9.5	8.5	9.4	10.1	9.0	9.5						
19520	10.0	10.7	10.5	10.1	MM 3	MS	8.3	9.6	9.3	9.6	10.0	8.6	9.7	9.2	9.2	9.1	10.1	FS		
19523	11.4	10.4	10.2	11.1	10.2	10.3	10.2	MS	9.4	9.7	10.0	11.4	10.9	10.6	10.5	9.8				
19526	10.6	9.8	10.7	9.9	10.6	10.5	10.4	10.0	9.0	9.4	9.8	10.3	10.0	10.5	9.6					
19530	9.4	9.8	10.2	9.9	10.3	9.4	10.6	MD 3	9.7	9.1	9.4	9.1	9.7	9.1	8.9	9.4	6.4	6.9		
19549	8.8	9.6	9.1	8.9	8.9	6.9	9.3	8.2	8.0	7.2	8.1	8.1	8.3	8.8	7.3					
19556	10.2	9.9	9.9	11.1	8.9	10.2	9.1	9.7	9.7	10.7	9.3	10.1	9.7	9.8	9.3					
19558	12.4	12.6	10.5	11.4	12.1	11.9	9.6	10.0	10.0	10.8	8.0	11.5	11.9	11.8						
19561	9.5	7.3	8.8	9.3	8.9	9.3	9.0	9.8	8.1	8.6	9.4	9.0	8.7	7.0	9.4	9.0				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	11.9	12.1	12.1	12.8	12.4	11.1	12.2	11.2	10.7	10.8	11.9	11.6	12.1	12.1						
19571	9.7	10.5	10.0	10.0	10.5	9.9	9.3	9.2	8.9	9.1	10.4	9.9	10.4	8.1						
19580	13.1	12.3	11.4	11.8	11.2	10.4	12.4	11.5	11.8	11.9	11.2	10.9	12.5	11.1	11.3					
19582	10.2	11.3	10.6	10.2	10.7	10.1	11.2	10.2	10.0	9.8	9.8	10.4	9.4	10.7						
19585	9.9	9.7	9.9	10.3	9.2	8.5	11.7	9.8	10.5	10.5	9.4	10.1	9.6	9.8	10.1	9.6	9.7			
19608	10.4	10.9	9.5	9.5	11.0	10.1	10.5	10.0	10.0	10.3	9.6	9.2	9.5	10.3						
19610	13.6	13.4	12.1	12.8	12.5	13.2	12.1	9.0	11.5	12.0	12.3	13.2	12.4							
19611	9.9	9.7	9.9	9.6	8.9	8.7	9.7	10.3	8.4	10.3	9.0	8.6	9.4	10.7						
19614	9.1	9.4	9.0	10.3	9.7	9.2	8.7	9.3	9.0	8.1	9.4	9.1	8.8	8.1						
19621	10.8	9.7	10.0	9.5	9.8	10.7	10.9	9.7	10.3	9.6	10.4	9.4	9.8	10.3						
19625	12.0	12.8	11.8	13.4	11.6	10.7	10.9	11.5	11.6	11.6	11.3	10.8	FD 2							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 7): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - Fo GENERATION FEMALE PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY							POSTPARTUM DAY 5 PRECULLING					
19501	7.9	7.8	6.2	7.7	6.2	6.6	7.3	7.8	7.9	7.2	6.1	6.1	6.5	7.3	5.2	FM 5	FD 5			
19511	9.0	10.1	8.5	9.5	10.5	9.3	10.0	10.1	6.7	9.3	9.7	8.3	8.9	9.4	8.9	FS				
19514	11.5	10.6	10.1	10.6	12.1	10.4	11.6	10.5	10.9	10.0	9.4	11.0	10.2							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	12.9	11.6	11.7	11.3	11.8	10.7	9.6													
19527	10.4	10.8	10.4	11.0	10.5	11.5	9.7	10.3	10.3	10.0	9.4	10.3	10.4	10.5	10.7	11.1				
19531	11.3	10.5	10.5	10.1	10.2	9.8	9.9	MD 4	9.9	10.6	11.0	9.9	9.2	10.0	10.5	9.5	9.6			
19533	10.7	9.7	10.7	10.4	10.5	10.0	10.6	8.7	10.0	9.8	9.3	10.6	10.3	9.6	9.5					
19534	11.6	12.2	11.0	12.3	11.2	11.0	11.8	11.9	11.7	11.2	11.4	9.8	11.1	10.4						
19536	10.6	9.7	10.3	10.2	10.4	9.3	9.2	9.7	10.2	9.6	9.9	9.0	8.8							
19542	10.2	11.0	11.4	10.6	11.5	9.6	10.9	10.1	11.1	11.1	9.8	10.6	10.9	10.0	FD 1					
19562	12.0	11.0	10.7	11.9	12.5	12.2	9.5	10.6	11.3	10.9	9.4	9.7	12.1	11.6						
19566	8.8	9.7	9.6	9.9	9.1	9.8	9.0	MD 4	8.9	8.4	8.0	9.2	8.9	8.6	8.8	9.0				
19575	10.2	9.6	10.9	9.4	9.5	9.1	9.5	8.9	8.1	9.7	9.8	9.2	7.8	10.9	8.8	9.1				
19576	9.7	10.6	10.4	9.3	10.7	10.2	11.0	10.1	10.3	11.4	9.5	9.7	10.4	9.7	8.7					
19590	11.3	12.2	10.9	10.8	11.2	10.5	11..	11.0	9.7	11.7	10.0	10.6	9.9	11.1	10.3					
19593	9.5	9.9	8.5	9.5	8.2	9.4	8.5	10.0	MS	MS	10.2	9.1	10.0	8.6	8.6	9.1	9.5			
19594	10.7	9.6	10.5	9.5	9.5	10.0	8.8	9.6	9.8	9.9										
19599	12.3	11.3	11.4	12.1	13.2	11.2	12.1	12.4	12.0	12.6	11.5									
19602	10.5	12.3	11.1	10.9	11.1	12.3	10.5	12.0	11.4	11.9	10.6	11.5	10.5	10.9	11.7	12.5				
19605	10.9	12.3	12.2	10.0	12.1	11.2	11.7	11.1	10.7	11.7	11.6	10.8	8.0	10.1	10.7					
19609	9.5	9.8	9.5	9.9	10.4	10.3	10.1	10.1	9.2	9.9	10.4	10.9	9.4	8.8	9.3	10.1	8.4			
19615	9.4	12.0	10.7	10.9	10.2	7.0	10.7	9.4	10.2	9.6	8.8	10.0	9.6	8.7						
19619	9.2	8.1	8.5	6.9	6.7	6.8	7.9	5.9	7.6	MD 5	MS	8.5	7.1	6.7	6.5	6.6	FD 3			

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 8): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY						POSTPARTUM DAY 5 PRECULLING						
19504	10.6	10.2	9.7	10.5	10.8	11.8	10.7	10.1	9.9	10.2	10.2	8.5	9.6	9.8	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	11.6	9.5	12.9	12.1	11.3	10.6	11.5	11.4	10.6	11.2	11.6	10.4	10.5							
19535	7.8	7.6	9.3	MD 2	5.9	8.7	7.3	6.8	7.9	7.3	8.3	7.6	7.7	7.7	7.0	7.4				
19538	9.9	10.3	10.9	9.4	10.0	10.7	10.2	9.9	9.7	10.3	10.3	10.7	10.4	10.2	10.5	9.2				
19539	11.4	10.8	9.7	11.3	11.0	11.7	10.8	10.6	10.5	10.1	10.7	10.5	11.0	10.5						
19547	11.4	12.4	12.1	10.6	7.9	11.1	12.3	11.7	11.0	12.1	12.5	11.7	11.8	10.9	10.6	9.8				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	9.0	7.7	9.5	7.9	7.8	7.2	7.7	6.8	7.1	6.5	8.2	8.0	7.8	7.9	7.3	FM 5	FS			
19567	9.8	10.1	10.4	8.8	8.9	10.0	9.4	9.1	8.2	9.7	8.4	8.7	9.1	9.9	9.1	8.4	8.4			
19568	10.6	10.4	11.9	11.4	10.5	12.4	11.0	11.0	11.2	11.3	11.0	11.5	11.1	FD 1						
19578	10.8	10.8	12.0	11.1	10.5	11.5	12.4	11.4	10.7	9.9	10.3	10.2	11.1	10.6	10.1					
19579	9.6	9.4	9.3	10.1	9.7	8.7	10.7	MS	8.9	8.9	8.7	8.6	8.8	8.9	7.6	FD 1	FS			
19584	13.4	12.8	12.4	11.7	12.8	13.1	12.4	11.8	12.7	12.4	12.0	11.7	10.9							
19586	8.5	7.9	9.3	8.6	9.3	9.5	9.0	8.8	8.6	7.0	8.6	8.3	8.6	8.6	8.6	6.7	8.3	8.4	7.5	
19587	9.4	9.8	7.1	10.0	10.2	9.6	9.6	10.1	9.3	9.5	10.2	9.8	10.3	9.3	10.0	FS				
19588	8.9	9.3	8.7	8.0	8.0	8.7	8.4	8.3	8.5	8.1	8.2	7.5	7.1	8.2	8.3	6.8				
19589	10.7	12.9	12.0	12.2	12.8	11.7	12.2	11.8	11.9	12.2	10.7	12.2	11.1	11.7	11.7					
19592	9.3	10.3	10.1	9.4	9.8	8.9	8.5	9.7	9.2	8.5	8.4	8.9	8.9	9.3	9.4	10.3				
19596	10.9	11.2	10.3	10.8	10.6	10.1	9.9	9.6	9.1	9.8	9.7	10.6	9.3	8.8	9.8					
19597	8.9	8.9	9.4	8.9	9.3	8.9	10.1	9.8	8.7	9.2	9.3	8.2	9.7	8.7	8.2	FD 4				
19603	10.7	11.4	11.0	10.2	10.8	10.8	11.1	9.4	11.1	10.3	9.0	10.2	9.3	FD 4						
19616	10.3	9.5	9.8	9.4	10.0	9.1	9.3	8.9	8.6	8.8	9.6	8.1	9.3	9.1	9.8	9.6				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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TABLE B30 (PAGE 9): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV						3.0 MG/KG/DAY							POSTPARTUM DAY 5 PRECULLING						
19506	9.5	8.6	9.1	9.6	8.7	8.4	8.1	9.8	9.0	8.6	7.9	8.7	8.6	9.3	9.4	8.8	8.7	9.0		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	12.7	10.9	8.9	12.2	11.9	11.8	11.2	12.4	11.9	9.9	11.7	10.6	10.4	11.1	11.6	11.3	10.3	FM 2		
19525	9.3	10.3	10.7	10.5	9.6	9.7	MD 4	9.6	9.5	9.3	10.0	9.8	8.6	10.0	8.5	9.3	6.9			
19537	8.8	9.3	10.2	10.3	9.6	9.8	9.6	9.9	9.6	9.7	9.4	9.6	MD 1	7.7	8.9	9.1				
19544	9.2	10.2	9.9	9.2	10.2	11.2	10.3	MD 2	9.5	9.6	9.2	9.2	9.2	10.1	10.5	8.9				
19545	9.1	10.2	10.6	8.4	9.5	9.8	8.0	9.6	10.1	9.3	10.1	9.5	9.2	9.9	8.4	9.8	9.2			
19554	9.7	10.2	8.3	9.9	10.4	9.0	9.8	9.6	9.6	8.6	8.9	9.1	9.6	9.3	8.5	9.8	10.5	9.9		
19557	9.8	9.1	10.1	9.7	10.2	10.3	8.9	10.0	9.6	10.4	9.6	9.2	9.3	8.3	9.2	8.8	8.5	9.3		
19569	13.0	13.4	13.6	14.0	12.0	11.5	11.1	11.9	10.1	11.8	12.5	10.4	11.1	11.8	12.7	11.9	11.3			
19573	9.4	8.8	8.9	8.1	8.1	9.4	8.0	8.9	8.5	7.9	8.5	8.7	8.9							
19577	11.2	9.3	9.9	11.3	10.1	9.4	10.0	9.0	10.6	9.6	8.9	8.3	9.1	9.4	8.0	8.4	10.0	9.3		
19581	11.1	9.5	9.7	10.6	10.6	9.1	9.0	10.6	10.0	9.9	10.0	10.1	9.3	9.0	8.9	7.9	10.3	7.1	7.0	
19583	11.7	12.1	12.0	11.1	MU	MU	MU	9.5	11.1	11.6	FM 3	FD 1	FS	FS	FU	FU	UU	UU		
19598	9.6	9.2	9.7	9.6	9.7	9.6	10.4	9.5	9.7	10.2	9.4	8.8	9.6	9.4	8.7	7.7	FS	FS		
19600	11.0	11.5	11.1	11.7	11.3	11.0	10.6	10.9	10.6	11.2	10.9	10.5	10.4	10.1						
19604	13.2	13.2	12.1	12.9	MU	11.7	11.8	12.8	13.1	12.3	11.8	13.4	11.7	12.9						
19606	8.8	9.8	9.2	9.2	9.2	9.2	8.7	7.6												
19607	10.6	11.0	12.4	11.0	11.3	11.2	11.1	10.7	10.8	10.5	10.0	10.1								
19612	8.3	8.5	9.4	9.8	8.9	8.7	7.9	8.2	9.2	9.1	9.0	9.0	8.3	8.0	7.9	8.7	8.8			
19617	11.6	11.4	11.0	12.3	11.8	11.5	11.5	10.3	11.5	10.6	10.1	9.8	11.1	9.9	10.3					
19618	8.2	10.9	10.2	11.9	8.6	8.7	9.9	6.7	11.3	8.3	7.0	8.5	6.7	7.9	6.0	FM 3				
19622	12.0	11.4	10.3	10.6	11.8	10.5	10.7	11.0	10.5	12.1	11.7	10.4	12.3							
19623	8.3	7.8	7.9	8.0	8.3	8.2	8.2	8.8	8.8	8.8	7.5	8.2	8.0	8.7	8.9	8.3	8.7	7.8	8.6	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
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TABLE B30 (PAGE 10): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V						10.0 MG/KG/DAY						POSTPARTUM DAY 5 PRECULLING							
19502	11.3	10.5	11.8	11.9	11.2	10.9	9.1	10.7	11.7	11.2	11.6	10.3	10.6	10.2	11.9					
19512	10.3	10.1	9.8	10.6	10.7	11.5	10.4	10.9	9.6	10.2	9.1	10.3	9.5	10.3						
19528	12.5	11.8	11.1	11.1	10.1	12.0	10.1	10.9	9.3	10.7	9.8									
19529	13.6	13.4	13.3	12.4	13.9	13.2	11.0	11.3	12.1	11.5	10.8	12.4	FD 4							
19532	12.0	9.7	10.9	11.2	9.5	10.9	10.6	7.0	11.0	10.2	10.7	9.5	10.7	11.3	11.2	9.8				
19540	12.6	14.0	13.0	12.3	12.9	13.4	10.6	11.1	14.5	11.6	13.6	10.8	12.5	12.4	12.3	14.1	9.6	FD 1		
19541	13.7	14.3	13.7	13.2	13.3	12.9	14.0	13.4	13.0	12.9	12.9	12.8								
19543	10.4	10.1	9.8	9.5	9.7	9.6	10.6	9.2	8.8	7.9	9.4	8.8	8.7	9.5						
19546	9.9	10.7	9.7	10.5	10.3	11.0	10.7	7.8	11.0	9.7	9.0	9.4	10.4	9.8	10.3	10.2				
19548	NOT PREGNANT																			
19551	12.0	10.5	9.7	10.7	10.3	MS	10.2	10.5	10.3	9.5	10.8	8.6	10.0	9.8						
19552	9.8	9.0	9.6	9.0	8.9	9.3	7.3	8.6	9.7	7.3	10.1	9.3	8.7	9.5	9.7	FM 3				
19553	10.0	10.9	11.1	12.2	10.6	10.3	9.2	MD 2	9.8	10.9	7.9	9.3	10.1	7.2	11.7	9.8	8.4			
19559	10.9	10.7	11.3	FS																
19560	11.9	9.8	11.1	10.4	11.6	10.7	FS	10.2	10.8	11.4	10.6	11.3	11.0							
19564	11.1	10.7	5.7	7.2	9.9	9.5	10.4	10.3	10.0	10.4	10.3	10.2	10.4	10.8	9.8	10.0				
19570	12.6	13.3	12.4	11.4	13.8	12.4	12.4	12.7	12.7	12.7	13.3	12.0	13.3	10.6	12.1	11.5	12.0			
19572	8.7	7.9	6.1	7.4	8.4	8.7	8.2	MD 5	7.2	7.8	7.0	6.9	7.8	8.2	FD 2					
19574	11.2	9.5	10.0	10.1	8.4	10.9	8.9	10.8	10.9	10.0	8.2	10.0	9.1	9.2	9.0	9.7	9.3			
19591	9.9	10.0	10.2	9.9	10.0	9.2	9.6	9.6	7.4	9.0	10.0	9.3	8.9							
19595	11.9	11.4	11.0	12.7	12.7	11.2	13.2	10.2	11.0	10.8	11.4	9.8	11.4	12.4	10.5	10.8	10.0	FD 1		
19601	10.1	11.9	11.8	10.8	11.3	MM 2	12.0	11.3	10.9	11.4	10.9	10.4	10.8	10.9	10.2	9.2				
19613	9.7	11.3	9.2	8.5	9.4	10.0	8.3	9.5	10.5	10.1	9.5	9.7	9.5	9.4	9.5	9.3				
19620	11.1	11.4	12.3	10.4	11.6	11.3	11.9	11.5	MD 1	11.3	10.9	11.4	11.1	10.4						
19624	9.3	10.5	10.9	8.8	8.8	10.0	10.0	9.5	10.2	9.1	9.7	9.3	9.4	9.6	9.7	8.6	9.7	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
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TABLE B30 (PAGE 11): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY								POSTPARTUM DAY 5 POSTCULLING					
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	MC 5	11.7	10.7	11.3	11.5	11.1	FC 5	11.3	10.9	11.2										
19508	MC 5	MC 5	9.0	8.4	MC 5	9.1	MC 5	8.1	MC 5	MC 5	MS	7.2	FC 5	7.6	8.5	8.4				
19513	14.2	MC 5	14.5	MC 5	MC 5	15.0	13.7	13.8	12.9	13.6	13.0									
19519	MC 5	10.5	MC 5	MC 5	10.0	10.4	MC 5	10.0	MC 5	8.5	9.4	10.1	9.0	FC 5						
19520	10.0	10.7	10.5	10.1	MM 3	MS	FC 5	9.6	9.3	9.6	FC 5	FC 5	FC 5	FC 5	9.2	FC 5	FC 5	FS		
19523	MC 5	MC 5	10.2	11.1	MC 5	10.3	10.2	MS	FC 5	9.7	10.0	FC 5	10.9	FC 5	FC 5	9.8				
19526	10.6	MC 5	10.7	MC 5	MC 5	MC 5	10.4	10.0	MC 5	9.4	FC 5	10.3	10.0	FC 5	9.6					
19530	9.4	9.8	MC 5	9.9	10.3	MC 5	MC 5	MD 3	FC 5	FC 5	FC 5	9.1	9.7	9.1	8.9	FC 5	FC 5	FC 5		
19549	8.8	MC 5	MC 5	MC 5	8.9	MC 5	9.3	8.2	MC 5	7.2	8.1	FC 5	8.3	8.8	FC 5					
19556	10.2	MC 5	9.9	11.1	MC 5	10.2	FC 5	FC 5	9.7	FC 5	FC 5	10.1	9.7	9.8	FC 5					
19558	12.4	MC 5	10.5	11.4	12.1	MC 5	MC 5	FC 5	10.0	10.8	FC 5	11.5	FC 5	11.8						
19561	9.5	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	9.8	8.1	8.6	9.4	9.0	8.7	FC 5	9.4	FC 5				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	11.9	MC 5	12.1	12.8	12.4	11.1	12.2	FC 5	FC 5	FC 5	11.9	FC 5	12.1	FC 5						
19571	MC 5	10.5	10.0	10.0	MC 5	MC 5	9.3	FC 5	8.9	FC 5	FC 5	9.9	10.4	8.1						
19580	13.1	12.3	MC 5	11.8	MC 5	MC 5	12.4	FC 5	11.8	FC 5	FC 5	FC 5	12.5	11.1	11.3					
19582	10.2	11.3	10.6	10.2	MC 5	MC 5	11.2	10.2	10.0	FC 5	FC 5	10.4	FC 5	FC 5						
19585	MC 5	MC 5	9.9	MC 5	MC 5	MC 5	11.7	MC 5	10.5	10.5	FC 5	10.1	FC 5	9.8	FC 5	9.6	9.7			
19608	10.4	10.9	9.5	FC 5	11.0	10.1	10.5	10.0	10.0	FC 5	FC 5	FC 5	FC 5	FC 5						
19610	13.6	13.4	MC 5	12.8	MC 5	13.2	12.1	FC 5	FC 5	FC 5	12.3	13.2	12.4							
19611	9.9	9.7	9.9	9.6	FC 5	FC 5	9.7	10.3	FC 5	10.3	FC 5	FC 5	FC 5	10.7						
19614	MC 5	9.4	9.0	10.3	MC 5	9.2	MC 5	9.3	9.0	MC 5	MC 5	MC 5	8.8	8.1						
19621	10.8	MC 5	MC 5	9.5	9.8	MC 5	10.9	9.7	FC 5	9.6	10.4	9.4	FC 5	FC 5						
19625	12.0	12.8	11.8	13.4	FC 5	FC 5	FC 5	11.5	11.6	11.6	11.3	FC 5	FD 2							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 12): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY							POSTPARTUM DAY 5 POSTCULLING					
19501	7.9	7.8	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	7.9	7.2	6.1	FC 5	6.5	7.3	5.2	FM 5	FD 5			
19511	9.0	10.1	MC 5	MC 5	10.5	9.3	MC 5	MC 5	FC 5	FC 5	9.7	FC 5	8.9	9.4	8.9	FS				
19514	11.5	10.6	10.1	10.6	MC 5	10.4	FC 5	FC 5	10.9	FC 5	9.4	11.0	FC 5							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	12.9	11.6	11.7	11.3	11.8	10.7	9.6													
19527	10.4	10.8	10.4	MC 5	MC 5	11.5	FC 5	10.3	10.3	FC 5	FC 5	FC 5	10.4	10.5	FC 5	FC 5				
19531	MC 5	MC 5	10.5	10.1	MC 5	9.8	9.9	MD 4	FC 5	10.6	11.0	FC 5	FC 5	FC 5	10.5	FC 5	9.6			
19533	MC 5	MC 5	10.7	10.4	10.5	MC 5	10.6	FC 5	10.0	FC 5	9.3	10.6	FC 5	9.6	FC 5					
19534	11.6	12.2	11.0	12.3	FC 5	FC 5	FC 5	11.9	FC 5	11.2	11.4	FC 5	FC 5	10.4						
19536	10.6	9.7	10.3	FC 5	10.4	FC 5	FC 5	FC 5	10.2	FC 5	9.9	9.0	8.8							
19542	10.2	MC 5	11.4	MC 5	11.5	MC 5	10.9	MC 5	11.1	11.1	MC 5	MC 5	10.9	10.0	FD 1					
19562	MC 5	11.0	MC 5	11.9	12.5	12.2	MC 5	FC 5	11.3	10.9	9.4	FC 5	12.1	FC 5						
19566	MC 5	MC 5	9.6	MC 5	9.1	9.8	9.0	MD 4	8.9	FC 5	FC 5	9.2	8.9	8.6	FC 5	FC 5				
19575	MC 5	9.6	10.9	MC 5	MC 5	MC 5	9.5	8.9	8.1	FC 5	FC 5	9.2	FC 5	10.9	8.8	FC 5				
19576	MC 5	10.6	10.4	9.3	MC 5	10.2	MC 5	MC 5	MC 5	MC 5	MC 5	9.7	10.4	9.7	8.7					
19590	11.3	MC 5	MC 5	MC 5	11.2	10.5	11.6	MC 5	FC 5	11.7	FC 5	10.6	FC 5	11.1	10.3					
19593	MC 5	MC 5	MC 5	9.5	8.2	9.4	8.5	MC 5	MS	MS	10.2	9.1	10.0	FC 5	FC 5	FC 5	9.5			
19594	10.7	9.6	10.5	MC 5	9.5	10.0	8.8	9.6	9.8	FC 5										
19599	12.3	11.3	11.4	12.1	MC 5	11.2	12.1	FC 5	12.0	FC 5	11.5									
19602	10.5	12.3	MC 5	MC 5	11.1	12.3	10.5	12.0	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	11.7	12.5				
19605	MC 5	MC 5	12.2	MC 5	12.1	MC 5	11.7	MC 5	10.7	11.7	11.6	10.8	FC 5	10.1	FC 5					
19609	MC 5	MC 5	MC 5	MC 5	10.4	MC 5	10.1	10.1	MC 5	MC 5	MC 5	10.9	9.4	8.8	FC 5	10.1	8.4			
19615	MC 5	MC 5	MC 5	10.9	10.2	MC 5	10.7	MC 5	10.2	9.6	FC 5	10.0	9.6	8.7						
19619	9.2	8.1	8.5	MC 5	MC 5	MC 5	MC 5	MC 5	7.6	MD 5	MS	8.5	7.1	6.7	FC 5	6.6	FD 3			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 13): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY						POSTPARTUM DAY 5 POSTCULLING						
19504	10.6	10.2	MC 5	10.5	10.8	MC 5	10.7	FC 5	FC 5	10.2	10.2	FC 5	9.6	FC 5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	11.6	9.5	12.9	12.1	MC 5	MC 5	MC 5	FC 5	10.6	11.2	11.6	10.4	FC 5							
19535	7.8	7.6	9.3	MD 2	FC 5	8.7	FC 5	FC 5	FC 5	FC 5	8.3	7.6	7.7	7.7	FC 5	FC 5				
19538	9.9	10.3	10.9	9.4	FC 5	10.7	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	10.4	10.2	10.5	FC 5				
19539	11.4	10.8	MC 5	11.3	11.0	FC 5	FC 5	FC 5	10.5	FC 5	FC 5	10.5	11.0	10.5						
19547	11.4	MC 5	12.1	MC 5	MC 5	MC 5	12.3	MC 5	MC 5	12.1	MC 5	11.7	11.8	10.9	10.6	FC 5				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	MC 5	MC 5	9.5	7.9	7.8	MC 5	7.7	6.8	FC 5	FC 5	8.2	8.0	FC 5	7.9	FC 5	FM 5	FS			
19567	9.8	MC 5	10.4	MC 5	MC 5	MC 5	9.4	MC 5	MC 5	9.7	8.4	8.7	9.1	9.9	FC 5	FC 5	FC 5			
19568	MC 5	MC 5	11.9	11.4	10.5	12.4	11.0	FC 5	11.2	11.3	11.0	FC 5	FC 5	FD 1						
19578	MC 5	MC 5	12.0	11.1	MC 5	11.5	12.4	MC 5	10.7	9.9	10.3	FC 5	11.1	FC 5	FC 5					
19579	9.6	MC 5	9.3	MC 5	9.7	MC 5	10.7	MS	8.9	8.9	FC 5	FC 5	FC 5	8.9	7.6	FD 1	FS			
19584	MC 5	MC 5	12.4	11.7	12.8	13.1	12.4	FC 5	12.7	12.4	12.0	FC 5	FC 5							
19586	MC 5	7.9	9.3	8.6	MC 5	9.5	FC 5	FC 5	8.6	FC 5	FC 5	8.3	FC 5	FC 5	8.6	FC 5	8.3	FC 5	FC 5	
19587	MC 5	9.8	MC 5	10.0	10.2	MC 5	MC 5	10.1	9.3	FC 5	10.2	FC 5	10.3	9.3	FC 5	FS				
19588	MC 5	MC 5	MC 5	8.0	8.0	8.7	8.4	MC 5	MC 5	MC 5	8.2	7.5	FC 5	8.2	8.3	FC 5				
19589	MC 5	12.9	12.0	12.2	12.8	FC 5	FC 5	FC 5	FC 5	12.2	10.7	12.2	11.1	FC 5	FC 5					
19592	9.3	10.3	MC 5	9.4	MC 5	MC 5	8.5	9.7	9.2	FC 5	8.4	FC 5	FC 5	FC 5	FC 5	10.3				
19596	10.9	MC 5	10.3	MC 5	10.6	MC 5	9.9	MC 5	9.1	FC 5	FC 5	10.6	9.3	FC 5	9.8					
19597	MC 5	MC 5	9.4	MC 5	MC 5	8.9	10.1	9.8	FC 5	FC 5	9.3	8.2	FC 5	8.7	8.2	FD 4				
19603	MC 5	11.4	11.0	10.2	MC 5	MC 5	11.1	FC 5	11.1	10.3	9.0	10.2	FC 5	FD 4						
19616	10.3	MC 5	9.8	9.4	10.0	MC 5	9.3	FC 5	8.6	FC 5	FC 5	FC 5	9.3	FC 5	FC 5	9.6				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 14): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV						3.0 MG/KG/DAY									POSTPARTUM DAY 5 POSTCULLING				
19506	9.5	MC 5	MC 5	9.6	8.7	MC 5	8.1	MC 5	MC 5	8.6	7.9	FC 5	8.6	FC 5	FC 5	FC 5	FC 5	9.0		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	12.7	MC 5	MC 5	12.2	MC 5	11.8	MC 5	12.4	11.9	9.9	11.7	FC 5	FC 5	11.1	FC 5	FC 5	FC 5	FM 2		
19525	9.3	10.3	10.7	10.5	MC 5	FC 5	MD 4	9.6	FC 5	9.3	FC 5	FC 5	FC 5	10.0	FC 5	FC 5	6.9			
19537	MC 5	MC 5	10.2	MC 5	MC 5	9.8	MC 5	MC 5	MC 5	9.7	9.4	9.6	MD 1	7.7	8.9	9.1				
19544	9.2	10.2	9.9	MC 5	10.2	MC 5	MC 5	MD 2	FC 5	FC 5	9.2	FC 5	FC 5	10.1	10.5	8.9				
19545	MC 5	MC 5	MC 5	MC 5	9.5	9.8	MC 5	MC 5	10.1	MC 5	10.1	MC 5	9.2	9.9	8.4	9.8	FC 5			
19554	MC 5	MC 5	MC 5	9.9	10.4	9.0	9.8	MC 5	MC 5	FC 5	8.9	FC 5	FC 5	FC 5	8.5	FC 5	10.5	9.9		
19557	9.8	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	10.0	MC 5	10.4	9.6	9.2	FC 5	8.3	FC 5	8.8	FC 5	9.3		
19569	13.0	13.4	13.6	14.0	MC 5	MC 5	11.1	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	11.8	12.7	11.9	FC 5			
19573	9.4	MC 5	8.9	MC 5	8.1	MC 5	8.0	8.9	FC 5	7.9	8.5	8.7	FC 5							
19577	MC 5	MC 5	9.9	11.3	MC 5	MC 5	10.0	9.0	MC 5	9.6	FC 5	FC 5	FC 5	FC 5	8.0	FC 5	10.0	9.3		
19581	11.1	MC 5	MC 5	MC 5	10.6	9.1	MC 5	10.6	MC 5	FC 5	10.0	10.1	FC 5	FC 5	FC 5	7.9	10.3	FC 5	FC 5	
19583	11.7	12.1	12.0	11.1	MU	MU	MU	9.5	11.1	11.6	FM 3	FD 1	FS	FS	FU	FU	UU	UU		
19598	MC 5	9.2	9.7	MC 5	MC 5	MC 5	10.4	9.5	MC 5	MC 5	FC 5	8.8	9.6	9.4	FC 5	7.7	FS	FS		
19600	MC 5	MC 5	11.1	11.7	MC 5	11.0	10.6	FC 5	10.6	11.2	FC 5	10.5	FC 5	10.1						
19604	13.2	13.2	12.1	12.9	MU	FC 5	11.8	12.8	13.1	FC 5	FC 5	FC 5	11.7	FC 5						
19606	8.8	9.8	9.2	9.2	9.2	9.2	8.7	7.6												
19607	MC 5	11.0	12.4	11.0	MC 5	MC 5	11.1	FC 5	10.8	10.5	10.0	10.1								
19612	MC 5	MC 5	MC 5	9.8	MC 5	8.7	7.9	MC 5	MC 5	9.1	MC 5	MC 5	FC 5	8.0	7.9	8.7	8.8			
19617	MC 5	11.4	MC 5	12.3	11.8	MC 5	11.5	MC 5	MC 5	10.6	FC 5	9.8	FC 5	9.9	10.3					
19618	MC 5	10.9	MC 5	11.9	8.6	8.7	9.9	FC 5	11.3	FC 5	FC 5	8.5	FC 5	7.9	FC 5	FM 3				
19622	12.0	MC 5	10.3	10.6	11.8	MC 5	MC 5	11.0	FC 5	12.1	11.7	FC 5	12.3							
19623	MC 5	MC 5	7.9	8.0	8.3	MC 5	8.2	MC 5	MC 5	FC 5	FC 5	8.2	FC 5	FC 5	8.9	FC 5	FC 5	7.8	8.6	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 15): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V					10.0 MG/KG/DAY									POSTPARTUM DAY 5 POSTCULLING					
19502	11.3	MC 5	11.8	11.9	MC 5	10.9	FC 5	FC 5	FC 5	FC 5	FC 5	10.3	10.6	10.2	11.9					
19512	10.3	10.1	MC 5	10.6	MC 5	MC 5	10.4	10.9	FC 5	10.2	9.1	FC 5	9.5	FC 5						
19528	12.5	11.8	11.1	MC 5	10.1	MC 5	10.1	MC 5	9.3	10.7	9.8									
19529	13.6	MC 5	13.3	12.4	13.9	FC 5	11.0	11.3	FC 5	11.5	FC 5	12.4	FD 4							
19532	12.0	MC 5	10.9	11.2	MC 5	10.9	FC 5	FC 5	FC 5	10.2	10.7	9.5	FC 5	FC 5	11.2	FC 5				
19540	MC 5	MC 5	MC 5	12.3	12.9	13.4	MC 5	MC 5	MC 5	11.6	13.6	FC 5	12.5	FC 5	FC 5	14.1	9.6	FD 1		
19541	13.7	MC 5	13.7	MC 5	13.3	12.9	14.0	FC 5	13.0	12.9	12.9	FC 5								
19543	10.4	10.1	MC 5	9.5	9.7	MC 5	MC 5	9.2	FC 5	7.9	9.4	8.8	FC 5	FC 5						
19546	MC 5	10.7	MC 5	10.5	10.3	11.0	MC 5	FC 5	FC 5	9.7	9.0	9.4	FC 5	9.8	FC 5	FC 5				
19548	NOT PREGNANT																			
19551	12.0	10.5	9.7	MC 5	10.3	MS	FC 5	10.5	FC 5	FC 5	10.8	8.6	FC 5	9.8						
19552	9.8	MC 5	9.6	9.0	MC 5	9.3	MC 5	MC 5	9.7	FC 5	10.1	FC 5	8.7	FC 5	9.7	FM 3				
19553	MC 5	10.9	MC 5	12.2	10.6	10.3	MC 5	MD 2	9.8	10.9	FC 5	FC 5	FC 5	FC 5	11.7	FC 5	8.4			
19559	10.9	10.7	11.3	FS																
19560	MC 5	MC 5	11.1	10.4	11.6	10.7	FS	10.2	10.8	FC 5	10.6	FC 5	11.0							
19564	11.1	10.7	MC 5	MC 5	9.9	MC 5	10.4	MC 5	10.0	10.4	FC 5	FC 5	10.4	FC 5	FC 5	10.0				
19570	MC 5	MC 5	MC 5	MC 5	13.8	12.4	MC 5	MC 5	12.7	MC 5	13.3	MC 5	MC 5	10.6	12.1	11.5	12.0			
19572	8.7	7.9	MC 5	MC 5	8.4	MC 5	8.2	MD 5	FC 5	7.8	7.0	FC 5	7.8	8.2	FD 2					
19574	MC 5	MC 5	MC 5	MC 5	8.4	MC 5	MC 5	10.8	10.9	10.0	FC 5	10.0	9.1	9.2	9.0	FC 5	FC 5			
19591	9.9	10.0	10.2	FC 5	10.0	9.2	9.6	FC 5	FC 5	9.0	FC 5	FC 5	8.9							
19595	MC 5	MC 5	MC 5	12.7	12.7	11.2	13.2	MC 5	MC 5	MC 5	11.4	FC 5	FC 5	12.4	10.5	FC 5	10.0	FD 1		
19601	10.1	11.9	MC 5	10.8	11.3	MM 2	FC 5	FC 5	10.9	11.4	FC 5	10.4	FC 5	FC 5	10.2	FC 5				
19613	MC 5	11.3	9.2	8.5	MC 5	10.0	MC 5	MC 5	MC 5	MC 5	MC 5	9.7	FC 5	9.4	9.5	9.3				
19620	11.1	11.4	MC 5	MC 5	11.6	MC 5	11.9	MC 5	MD 1	11.3	FC 5	11.4	11.1	10.4						
19624	9.3	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	9.5	10.2	9.1	9.7	FC 5	9.4	FC 5	9.7	FC 5	9.7	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE B30 (PAGE 16): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY						POSTPARTUM DAY 8							
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	MC 5	18.3	17.1	18.4	18.3	17.9	FC 5	18.4	17.4	18.2										
19508	MC 5	MC 5	15.3	13.8	MC 5	15.7	MC 5	14.1	MC 5	MC 5	MS	12.4	FC 5	13.2	14.4	14.3				
19513	22.3	MC 5	23.4	MC 5	MC 5	24.0	22.5	20.9	21.4	21.5	20.5									
19519	MC 5	17.3	MC 5	MC 5	17.4	17.7	MC 5	17.4	MC 5	14.7	16.3	16.9	14.9	FC 5						
19520	15.7	16.0	16.4	15.5	MM 3	MS	FC 5	14.9	14.9	16.0	FC 5	FC 5	FC 5	FC 5	15.0	FC 5	FC 5	FS		
19523	MC 5	MC 5	18.3	19.8	MC 5	18.3	18.5	MS	FC 5	17.2	17.7	FC 5	18.6	FC 5	FC 5	17.9				
19526	16.8	MC 5	18.3	MC 5	MC 5	MC 5	18.1	17.3	MC 5	14.8	FC 5	18.4	18.1	FC 5	16.8					
19530	16.3	17.6	MC 5	17.9	17.7	MC 5	MC 5	MD 3	FC 5	FC 5	FC 5	15.8	16.6	16.4	16.0	FC 5	FC 5	FC 5		
19549	14.3	MC 5	MC 5	MC 5	10.8	MC 5	14.1	12.0	MC 5	FM 8	12.4	FC 5	13.2	13.5	FC 5					
19556	17.6	MC 5	16.5	18.2	MC 5	17.4	FC 5	FC 5	15.9	FC 5	FC 5	16.3	16.0	17.1	FC 5					
19558	21.4	MC 5	19.2	20.5	20.3	MC 5	MC 5	FC 5	17.6	18.6	FC 5	19.8	FC 5	20.0						
19561	15.7	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	15.4	13.8	14.6	15.3	14.1	14.1	FC 5	14.6	FC 5				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	20.9	MC 5	21.3	22.2	20.5	18.7	21.0	FC 5	FC 5	FC 5	20.3	FC 5	20.8	FC 5						
19571	MC 5	17.9	18.5	17.5	MC 5	MC 5	15.5	FC 5	15.5	FC 5	FC 5	17.7	18.8	14.2						
19580	21.7	20.6	MC 5	19.5	MC 5	MC 5	20.3	FC 5	19.6	FC 5	FC 5	FC 5	20.5	18.3	19.3					
19582	16.7	18.9	17.6	17.4	MC 5	MC 5	17.8	17.3	15.8	FC 5	FC 5	17.0	FC 5	FC 5						
19585	MC 5	MC 5	17.5	MC 5	MC 5	MC 5	18.6	MC 5	17.6	16.9	FC 5	17.0	FC 5	16.5	FC 5	16.3	16.0			
19608	17.1	17.4	16.8	FC 5	18.0	16.6	16.7	16.2	16.8	FC 5	FC 5	FC 5	FC 5	FC 5						
19610	22.4	23.0	MC 5	21.8	MC 5	22.7	21.4	FC 5	FC 5	FC 5	21.4	21.7	21.2							
19611	17.2	16.2	16.2	16.6	FC 5	FC 5	16.6	17.7	FC 5	17.2	FC 5	FC 5	FC 5	17.9						
19614	MC 5	17.0	16.8	17.5	MC 5	18.4	MC 5	17.3	16.6	MC 5	MC 5	MC 5	16.6	15.2						
19621	17.9	MC 5	MC 5	16.2	17.3	MC 5	18.8	16.8	FC 5	17.0	17.6	17.2	FC 5	FC 5						
19625	19.6	20.4	19.3	21.5	FC 5	FC 5	FC 5	18.3	18.8	19.3	18.3	FC 5	FD 2							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 17): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY					POSTPARTUM DAY 8							
19501	12.9	12.9	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	12.3	11.4	9.1	FC 5	8.5	11.5	6.7	FM 5	FD 5			
19511	15.4	17.1	MC 5	MC 5	18.3	15.6	MC 5	MC 5	FC 5	FC 5	16.4	FC 5	15.3	16.3	14.7	FS				
19514	18.0	17.4	16.5	17.5	MC 5	17.2	FC 5	FC 5	17.6	FC 5	15.7	18.1	FC 5							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	19.8	19.5	15.7	19.3	18.9	18.6	17.9													
19527	16.9	18.5	17.4	MC 5	MC 5	19.6	FC 5	FD 6	17.4	FC 5	FC 5	FC 5	18.1	17.9	FC 5	FC 5				
19531	MC 5	MC 5	17.4	16.5	MC 5	16.4	15.6	MD 4	FC 5	17.4	18.2	FC 5	FC 5	FC 5	17.6	FC 5	17.0			
19533	MC 5	MC 5	17.7	17.1	17.5	MC 5	16.9	FC 5	16.3	FC 5	15.2	17.2	FC 5	15.8	FC 5					
19534	19.6	20.6	19.6	20.6	FC 5	FC 5	FC 5	19.8	FC 5	19.7	19.2	FC 5	FC 5	18.1						
19536	16.6	15.7	16.6	FC 5	15.9	FC 5	FC 5	FC 5	16.4	FC 5	15.6	14.8	14.0							
19542	17.0	MC 5	18.2	MC 5	19.3	MC 5	18.4	MC 5	18.0	17.8	MC 5	MC 5	17.6	16.2	FD 1					
19562	MC 5	18.1	MC 5	19.7	21.3	20.4	MC 5	FC 5	19.0	16.5	20.2	FC 5	20.3	FC 5						
19566	MC 5	MC 5	15.0	MC 5	15.4	15.5	14.5	MD 4	14.8	FC 5	FC 5	15.5	14.1	14.2	FC 5	FC 5				
19575	MC 5	16.6	17.7	MC 5	MC 5	MC 5	16.2	14.7	13.9	FC 5	FC 5	16.1	FC 5	17.1	15.0	FC 5				
19576	MC 5	17.6	17.4	15.6	MC 5	17.2	MC 5	MC 5	MC 5	MC 5	MC 5	15.6	16.8	15.7	15.3					
19590	18.0	MC 5	MC 5	MC 5	19.0	17.7	18.6	MC 5	FC 5	19.4	FC 5	17.6	FC 5	17.8	17.1					
19593	MC 5	MC 5	MC 5	15.9	14.7	16.2	14.3	MC 5	MS	MS	17.5	15.7	17.8	FC 5	FC 5	FC 5	15.8			
19594	17.1	14.8	16.2	MC 5	15.3	14.5	13.6	13.7	15.5	FC 5										
19599	19.3	17.8	18.1	19.8	MC 5	17.5	18.5	FC 5	19.2	FC 5	18.3									
19602	18.0	19.6	MC 5	MC 5	20.0	21.0	18.1	20.5	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	19.1	21.5				
19605	MC 5	MC 5	18.6	MC 5	18.5	MC 5	18.3	MC 5	18.0	18.9	17.6	17.1	FC 5	16.6	FC 5					
19609	MC 5	MC 5	MC 5	MC 5	17.1	MC 5	17.8	17.1	MC 5	MC 5	MC 5	18.3	16.5	15.5	FC 5	18.1	15.0			
19615	MC 5	MC 5	MC 5	18.9	17.0	MC 5	18.5	MC 5	17.5	15.4	FC 5	17.2	16.2	15.2						
19619	12.3	9.0	MD 7	MC 5	MC 5	MC 5	MC 5	MC 5	9.0	MD 5	MS	11.1	7.2	7.3	FC 5	7.9	FD 3			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 18): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY								POSTPARTUM DAY 8				
19504	17.3	18.1	MC 5	17.9	17.5	MC 5	18.2	FC 5	FC 5	17.2	17.3	FC 5	15.1	FC 5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	18.0	14.9	19.6	18.9	MC 5	MC 5	MC 5	FC 5	17.4	17.0	18.8	16.2	FC 5							
19535	12.6	13.2	15.2	MD 2	FC 5	14.9	FC 5	FC 5	FC 5	FC 5	14.3	13.1	11.6	13.3	FC 5	FC 5				
19538	16.7	17.1	18.7	17.3	FC 5	17.6	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	16.9	17.2	17.3	FC 5				
19539	18.5	16.8	MC 5	18.1	19.1	FC 5	FC 5	FC 5	17.4	FC 5	FC 5	17.4	16.5	18.0						
19547	19.6	MC 5	21.6	MC 5	MC 5	MC 5	20.6	MC 5	MC 5	19.4	MC 5	20.2	20.2	18.7	17.7	FC 5				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	MC 5	MC 5	13.0	9.8	10.1	MC 5	10.2	8.7	FC 5	FC 5	11.7	11.2	FC 5	10.0	FC 5	FM 5	FS			
19567	15.9	MC 5	17.4	MC 5	MC 5	MC 5	15.8	MC 5	MC 5	16.3	14.4	15.1	14.9	15.6	FC 5	FC 5	FC 5			
19568	MC 5	MC 5	19.3	18.4	17.2	19.8	17.3	FC 5	18.5	18.0	17.3	FC 5	FC 5	FD 1						
19578	MC 5	MC 5	18.3	16.3	MC 5	17.1	19.1	MC 5	16.6	15.0	16.2	FC 5	17.3	FC 5	FC 5					
19579	16.5	MC 5	15.7	MC 5	15.9	MC 5	17.3	MS	14.9	14.3	FC 5	FC 5	FC 5	14.3	12.7	FD 1	FS			
19584	MC 5	MC 5	19.6	19.3	21.2	21.5	19.8	FC 5	20.3	20.1	19.3	FC 5	FC 5							
19586	MC 5	14.1	16.6	15.2	MC 5	16.4	FC 5	FC 5	14.9	FC 5	FC 5	15.1	FC 5	FC 5	15.8	FC 5	14.3	FC 5	FC 5	
19587	MC 5	16.3	MC 5	17.3	17.1	MC 5	MC 5	17.3	16.2	FC 5	17.1	FC 5	17.8	15.7	FC 5	FS				
19588	MC 5	MC 5	MC 5	12.6	12.5	14.0	13.9	MC 5	MC 5	MC 5	12.4	12.8	FC 5	12.3	12.4	FC 5				
19589	MC 5	21.0	20.1	21.0	20.3	FC 5	FC 5	FC 5	FC 5	19.4	18.4	20.2	18.3	FC 5	FC 5					
19592	15.9	16.6	MC 5	15.7	MC 5	MC 5	14.0	17.1	15.4	FC 5	14.7	FC 5	FC 5	FC 5	FC 5	17.4				
19596	18.0	MC 5	17.4	MC 5	18.0	MC 5	17.2	MC 5	15.6	FC 5	FC 5	17.8	15.7	FC 5	16.5					
19597	MC 5	MC 5	17.7	MC 5	MC 5	16.0	18.2	18.4	FC 5	FC 5	16.6	15.4	FC 5	15.2	14.7	FD 4				
19603	MC 5	19.1	18.0	17.4	MC 5	MC 5	18.3	FC 5	18.8	16.8	15.3	16.8	FC 5	FD 4						
19616	17.1	MC 5	16.4	15.3	16.1	MC 5	16.8	FC 5	15.6	FC 5	FC 5	FC 5	16.0	FC 5	FC 5	16.7				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

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TABLE B30 (PAGE 19): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV						3.0 MG/KG/DAY						POSTPARTUM DAY 8							
19506	15.5	MC 5	MC 5	16.1	14.3	MC 5	13.6	MC 5	MC 5	13.5	13.2	FC 5	14.5	FC 5	FC 5	FC 5	FC 5	14.6		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	20.9	MC 5	MC 5	19.6	MC 5	19.7	MC 5	20.1	19.7	17.4	20.0	FC 5	FC 5	18.7	FC 5	FC 5	FC 5	FM 2		
19525	16.4	18.3	18.0	18.5	MC 5	FC 5	MD 4	15.6	FC 5	16.9	FC 5	FC 5	FC 5	18.1	FC 5	FC 5	12.1			
19537	MC 5	MC 5	16.7	MC 5	MC 5	15.8	MC 5	MC 5	MC 5	15.3	14.8	15.0	MD 1	11.6	14.4	14.7				
19544	16.3	17.4	16.5	MC 5	17.1	MC 5	MC 5	MD 2	FC 5	FC 5	16.3	FC 5	FC 5	17.7	17.4	15.5				
19545	MC 5	MC 5	MC 5	MC 5	15.8	16.4	MC 5	MC 5	17.2	MC 5	16.7	MC 5	15.4	16.3	14.4	16.1	FC 5			
19554	MC 5	MC 5	MC 5	17.6	17.9	15.4	16.9	MC 5	MC 5	FC 5	15.9	FC 5	FC 5	FC 5	14.1	FC 5	18.1	16.8		
19557	16.0	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	15.7	MC 5	16.2	15.1	13.9	FC 5	13.1	FC 5	14.0	FC 5	15.9		
19569	20.0	20.6	22.5	23.9	MC 5	MC 5	18.9	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	20.4	22.6	19.9	FC 5			
19573	13.4	MC 5	14.6	MC 5	11.7	MC 5	12.9	13.4	FC 5	11.5	12.9	13.5	FC 5							
19577	MC 5	MC 5	17.2	17.7	MC 5	MC 5	16.4	14.9	MC 5	16.1	FC 5	FC 5	FC 5	FC 5	13.9	FC 5	16.7	16.1		
19581	18.8	MC 5	MC 5	MC 5	17.4	15.8	MC 5	17.7	MC 5	FC 5	17.4	17.1	FC 5	FC 5	FC 5	12.7	18.0	FC 5	FC 5	
19583	16.5	16.9	18.1	15.1	MU	MU	MU	16.2	14.3	15.6	FM 3	FD 1	FS	FS	FU	FU	UU	UU		
19598	MC 5	15.9	17.1	MC 5	MC 5	MC 5	16.9	15.9	MC 5	MC 5	FC 5	15.5	17.1	16.7	FC 5	13.4	FS	FS		
19600	MC 5	MC 5	19.5	19.6	MC 5	18.8	18.0	FC 5	18.5	19.4	FC 5	19.1	FC 5	18.2						
19604	22.0	21.8	20.4	21.9	MU	FC 5	20.4	21.5	22.2	FC 5	FC 5	FC 5	20.1	FC 5						
19606	13.0	14.4	13.9	13.9	14.5	11.9	14.1	13.7												
19607	MC 5	17.6	19.4	17.9	MC 5	MC 5	18.2	FC 5	16.9	17.3	15.9	16.8								
19612	MC 5	MC 5	MC 5	17.0	MC 5	15.8	14.1	MC 5	MC 5	15.4	MC 5	MC 5	FC 5	14.5	14.0	15.5	15.6			
19617	MC 5	20.0	MC 5	20.8	19.8	MC 5	20.5	MC 5	MC 5	18.5	FC 5	18.4	FC 5	18.6	17.3					
19618	MC 5	17.0	MC 5	18.8	12.7	14.0	16.4	FC 5	18.4	FC 5	FC 5	12.8	FC 5	12.2	FC 5	FM 3				
19622	19.0	MC 5	17.7	17.9	19.7	MC 5	MC 5	17.4	FC 5	19.1	18.8	FC 5	19.6							
19623	MC 5	MC 5	13.3	13.9	14.6	MC 5	14.4	MC 5	MC 5	FC 5	FC 5	14.0	FC 5	FC 5	15.0	FC 5	FC 5	13.6	14.7	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 20): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V						10.0 MG/KG/DAY						POSTPARTUM DAY 8							
19502	18.6	MC 5	19.4	20.5	MC 5	17.8	FC 5	FC 5	FC 5	FC 5	FC 5	17.7	18.3	16.6	19.6					
19512	18.2	17.6	MC 5	18.1	MC 5	MC 5	18.0	19.4	FC 5	17.3	15.9	FC 5	16.5	FC 5						
19528	19.8	17.8	18.3	MC 5	16.7	MC 5	16.3	MC 5	15.5	17.0	16.0									
19529	20.9	MC 5	21.2	20.2	21.6	FC 5	17.7	18.2	FC 5	18.5	FC 5	20.3	FD 4							
19532	19.8	MC 5	18.5	19.1	MC 5	19.2	FC 5	FC 5	FC 5	18.1	17.7	16.7	FC 5	FC 5	17.8	FC 5				
19540	MC 5	MC 5	MC 5	20.5	20.4	21.3	MC 5	MC 5	MC 5	18.8	21.6	FC 5	21.0	FC 5	FC 5	22.6	15.4	FD 1		
19541	20.2	MC 5	20.2	MC 5	20.5	20.0	21.2	FC 5	19.9	19.6	19.4	FC 5								
19543	17.8	16.2	MC 5	16.2	15.3	MC 5	MC 5	14.8	FC 5	12.7	15.9	14.4	FC 5	FC 5						
19546	MC 5	19.1	MC 5	17.9	17.4	19.2	MC 5	FC 5	FC 5	17.1	17.3	16.1	FC 5	16.4	FC 5	FC 5				
19548	NOT PREGNANT																			
19551	20.1	17.5	16.5	MC 5	16.2	MS	FC 5	17.1	FC 5	FC 5	18.7	14.5	FC 5	16.8						
19552	16.8	MC 5	17.1	16.2	MC 5	16.5	MC 5	MC 5	16.9	FC 5	17.8	FC 5	15.3	FC 5	17.4	FM 3				
19553	MC 5	17.9	MC 5	19.0	17.7	17.5	MC 5	MD 2	16.9	18.0	FC 5	FC 5	FC 5	FC 5	19.3	FC 5	14.2			
19559	17.5	17.3	17.1	FS																
19560	MC 5	MC 5	17.4	17.3	18.4	17.5	FS	17.1	16.9	FC 5	17.9	FC 5	17.3							
19564	17.5	17.4	MC 5	MC 5	15.7	MC 5	16.9	MC 5	17.0	17.4	FC 5	FC 5	17.0	FC 5	FC 5	17.4				
19570	MC 5	MC 5	MC 5	MC 5	23.9	23.4	MC 5	MC 5	22.8	MC 5	23.9	MC 5	MC 5	20.1	20.7	20.9	21.6			
19572	12.9	13.0	MC 5	MC 5	12.6	MC 5	13.3	MD 5	FC 5	12.3	11.0	FC 5	12.7	12.6	FD 2					
19574	MC 5	MC 5	MC 5	MC 5	13.1	MC 5	MC 5	16.8	17.3	15.8	FC 5	15.0	14.8	15.8	14.8	FC 5	FC 5			
19591	14.5	14.6	15.6	FC 5	14.8	13.7	14.6	FC 5	FC 5	13.3	FC 5	FC 5	12.8							
19595	MC 5	MC 5	MC 5	23.3	22.4	19.9	22.8	MC 5	MC 5	MC 5	20.7	FC 5	FC 5	22.7	19.0	FC 5	18.3	FD 1		
19601	15.6	19.1	MC 5	16.2	16.9	MM 2	FC 5	FC 5	16.1	16.5	FC 5	16.9	FC 5	FC 5	16.1	FC 5				
19613	MC 5	17.1	14.1	12.3	MC 5	16.1	MC 5	MC 5	MC 5	MC 5	MC 5	15.1	FC 5	14.1	13.8	14.3				
19620	18.5	18.8	MC 5	MC 5	17.6	MC 5	18.6	MC 5	MD 1	18.5	FC 5	17.6	18.1	17.3						
19624	17.1	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	16.8	17.3	15.9	17.4	FC 5	17.0	FC 5	16.6	FC 5	16.9	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 21): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY							POSTPARTUM DAY 12						
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	MC 5	26.3	26.4	28.5	28.1	27.5	FC 5	27.4	26.5	27.5										
19508	MC 5	MC 5	22.9	18.7	MC 5	23.2	MC 5	18.6	MC 5	MC 5	MS	19.5	FC 5	17.8	21.8	21.6				
19513	32.4	MC 5	35.4	MC 5	MC 5	35.8	33.4	30.7	31.3	28.0	30.4									
19519	MC 5	28.4	MC 5	MC 5	28.3	27.3	MC 5	27.1	MC 5	25.4	25.8	27.0	24.8	FC 5						
19520	25.4	24.3	26.9	25.8	MM 3	MS	FC 5	25.3	24.7	26.4	FC 5	FC 5	FC 5	FC 5	25.3	FC 5	FC 5	FS		
19523	MC 5	MC 5	29.6	32.1	MC 5	29.7	30.7	MS	FC 5	29.2	29.0	FC 5	30.3	FC 5	FC 5	30.0				
19526	28.3	MC 5	29.9	MC 5	MC 5	MC 5	28.3	28.8	MC 5	23.0	FC 5	30.0	29.5	FC 5	28.3					
19530	29.1	30.9	MC 5	30.3	29.8	MC 5	MC 5	MD 3	FC 5	FC 5	FC 5	27.3	29.2	27.8	28.4	FC 5	FC 5	FC 5		
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19556	28.8	MC 5	27.0	29.8	MC 5	27.8	FC 5	FC 5	25.9	FC 5	FC 5	27.6	25.8	27.5	FC 5					
19558	31.3	MC 5	28.2	30.2	30.2	MC 5	MC 5	FC 5	26.5	27.3	FC 5	29.4	FC 5	29.9						
19561	26.6	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	25.4	24.7	24.9	25.3	23.9	25.3	FC 5	24.6	FC 5				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	32.2	MC 5	32.4	32.7	31.6	28.8	31.0	FC 5	FC 5	FC 5	31.0	FC 5	31.1	FC 5						
19571	MC 5	28.3	29.3	28.8	MC 5	MC 5	25.6	FC 5	26.0	FC 5	FC 5	28.7	29.4	23.4						
19580	32.4	31.3	MC 5	28.3	MC 5	MC 5	30.6	FC 5	29.4	FC 5	FC 5	FC 5	30.5	27.4	28.7					
19582	26.5	28.6	27.8	27.1	MC 5	MC 5	27.1	26.9	25.0	FC 5	FC 5	25.7	FC 5	FC 5						
19585	MC 5	MC 5	28.1	MC 5	MC 5	MC 5	30.0	MC 5	27.9	26.8	FC 5	28.1	FC 5	27.2	FC 5	26.4	25.3			
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19610	34.1	33.5	MC 5	32.1	MC 5	33.5	32.6	FC 5	FC 5	FC 5	31.9	32.1	31.4							
19611	29.5	27.7	27.1	27.3	FC 5	FC 5	27.7	29.6	FC 5	28.5	FC 5	FC 5	FC 5	31.0						
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19621	29.3	MC 5	MC 5	25.8	27.4	MC 5	29.9	27.5	FC 5	27.4	27.8	27.0	FC 5	FC 5						
19625	30.2	31.2	30.6	32.9	FC 5	FC 5	FC 5	28.7	30.0	30.1	28.9	FC 5	FD 2							

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SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 22): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY						POATPARTUM DAY 12						
19501	21.9	22.9	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	22.5	20.5	15.4	FC 5	10.1	20.1	12.7	FM 5	FD 5			
19511	25.8	27.0	MC 5	MC 5	28.4	25.7	MC 5	MC 5	FC 5	FC 5	26.5	FC 5	25.4	26.8	24.3	FS				
19514	28.4	27.9	26.5	27.7	MC 5	27.4	FC 5	FC 5	27.6	FC 5	25.7	27.7	FC 5							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19531	MC 5	MC 5	28.6	29.0	MC 5	26.5	26.3	MD 4	FC 5	27.4	29.2	FC 5	FC 5	FC 5	28.7	FC 5	29.0			
19533	MC 5	MC 5	28.3	27.9	27.7	MC 5	26.8	FC 5	26.0	FC 5	24.1	28.2	FC 5	25.5	FC 5					
19534	31.0	32.2	31.6	33.5	FC 5	FC 5	FC 5	31.6	FC 5	30.2	31.6	FC 5	FC 5	29.7						
19536	28.7	27.4	28.9	FC 5	27.1	FC 5	FC 5	FC 5	27.2	FC 5	27.0	26.3	25.5							
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19562	MC 5	28.9	MC 5	31.3	33.3	31.2	MC 5	FC 5	28.7	29.8	26.2	FC 5	30.5	FC 5						
19566	MC 5	MC 5	27.0	MC 5	26.6	26.6	26.7	MD 4	25.1	FC 5	FC 5	26.4	25.7	24.4	FC 5	FC 5				
19575	MC 5	26.3	27.1	MC 5	MC 5	MC 5	25.7	24.4	22.1	FC 5	FC 5	25.1	FC 5	26.5	24.8	FC 5				
19576	MC 5	26.5	26.2	24.4	MC 5	27.1	MC 5	MC 5	MC 5	MC 5	MC 5	23.7	24.9	24.2	23.3					
19590	27.0	MC 5	MC 5	MC 5	28.4	27.7	28.8	MC 5	FC 5	29.0	FC 5	27.0	FC 5	26.1	27.0					
19593	MC 5	MC 5	MC 5	26.3	24.5	24.9	23.6	MC 5	MS	MS	27.4	24.9	28.2	FC 5	FC 5	FC 5	26.1			
19594	26.6	24.7	27.1	MC 5	25.9	23.7	23.1	22.8	26.4	FC 5										
19599	30.6	28.9	30.0	29.7	MC 5	28.5	28.6	FC 5	28.8	FC 5	29.8									
19602	30.0	32.5	MC 5	MC 5	32.0	33.7	30.2	33.0	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	31.7	34.4				
19605	MC 5	MC 5	28.0	MC 5	26.8	MC 5	27.6	MC 5	27.9	27.9	27.7	26.4	FC 5	25.8	FC 5					
19609	MC 5	MC 5	MC 5	MC 5	28.7	MC 5	30.5	29.1	MC 5	MC 5	MC 5	29.9	28.4	27.0	FC 5	29.6	25.4			
19615	MC 5	MC 5	MC 5	30.8	29.0	MC 5	30.2	MC 5	30.6	27.3	FC 5	28.9	28.3	26.4						
19619	22.4	15.2	MD 7	MC 5	MC 5	MC 5	MC 5	MC 5	14.6	MD 5	MS	20.6	9.2	9.4	FC 5	14.8	FD 3			

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SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 23): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY							POSTPARTUM DAY 12					
19504	27.6	28.1	MC 5	27.8	27.6	MC 5	29.4	FC 5	FC 5	28.9	28.3	FC 5	25.3	FC 5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	29.7	25.2	30.5	29.3	MC 5	MC 5	MC 5	FC 5	27.8	28.1	29.3	27.2	FC 5							
19535	24.1	23.7	25.5	MD 2	FC 5	25.8	FC 5	FC 5	FC 5	FC 5	25.3	24.2	20.9	23.3	FC 5	FC 5				
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19539	29.7	28.1	MC 5	29.7	29.9	FC 5	FC 5	FC 5	27.9	FC 5	FC 5	29.2	28.1	29.2						
19547	29.8	MC 5	32.0	MC 5	MC 5	MC 5	31.2	MC 5	MC 5	30.1	MC 5	31.8	31.5	30.0	29.0	FC 5				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	MC 5	MC 5	25.1	19.7	20.7	MC 5	19.6	17.7	FC 5	FC 5	23.4	22.3	FC 5	20.4	FC 5	FM 5	FS			
19567	28.2	MC 5	30.1	MC 5	MC 5	MC 5	27.4	MC 5	MC 5	28.4	25.6	25.6	26.6	27.5	FC 5	FC 5	FC 5			
19568	MC 5	MC 5	29.9	28.8	27.1	30.2	27.0	FC 5	28.4	28.1	27.1	FC 5	FC 5	FD 1						
19578	MC 5	MC 5	29.6	26.0	MC 5	27.5	29.8	MC 5	26.7	25.6	26.5	FC 5	28.8	FC 5	FC 5					
19579	27.9	MC 5	26.3	MC 5	27.6	MC 5	28.7	MS	26.3	26.0	FC 5	FC 5	FC 5	25.0	22.5	FD 1	FS			
19584	MC 5	MC 5	31.0	30.6	32.3	32.4	30.1	FC 5	31.5	30.8	28.1	FC 5	FC 5							
19586	MC 5	24.2	28.5	26.8	MC 5	28.2	FC 5	FC 5	26.3	FC 5	FC 5	26.2	FC 5	FC 5	26.9	FC 5	25.5	FC 5	FC 5	
19587	MC 5	26.4	MC 5	28.3	27.3	MC 5	MC 5	28.6	27.0	FC 5	28.8	FC 5	27.9	25.8	FC 5	FS				
19588	MC 5	MC 5	MC 5	21.7	22.4	24.3	24.8	MC 5	MC 5	MC 5	21.9	22.2	FC 5	21.2	22.7	FC 5				
19589	MC 5	32.2	29.8	32.6	32.5	FC 5	FC 5	FC 5	FC 5	30.0	28.1	30.7	27.9	FC 5	FC 5					
19592	26.5	27.4	MC 5	25.3	MC 5	MC 5	24.2	27.1	25.2	FC 5	24.2	FC 5	FC 5	FC 5	FC 5	28.1				
19596	29.4	MC 5	27.4	MC 5	27.7	MC 5	27.7	MC 5	24.6	FC 5	FC 5	27.7	25.2	FC 5	25.8					
19597	MC 5	MC 5	28.1	MC 5	MC 5	26.0	29.1	28.8	FC 5	FC 5	27.8	25.2	FC 5	25.8	25.3	FD 4				
19603	MC 5	29.2	26.8	27.5	MC 5	MC 5	27.9	FC 5	28.3	26.3	24.6	25.6	FC 5	FD 4						
19616	25.2	MC 5	27.5	26.1	25.5	MC 5	26.8	FC 5	25.6	FC 5	FC 5	FC 5	27.4	FC 5	FC 5	26.8				

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SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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TABLE B30 (PAGE 24): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV						3.0 MG/KG/DAY								POSTPARTUM DAY 12					
19506	24.8	MC 5	MC 5	26.1	23.0	MC 5	24.1	MC 5	MC 5	22.6	21.4	FC 5	23.8	FC 5	FC 5	FC 5	FC 5	25.4		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	33.4	MC 5	MC 5	32.5	MC 5	32.3	MC 5	32.5	32.6	29.8	31.4	FC 5	FC 5	31.0	FC 5	FC 5	FC 5	FM 2		
19525	27.2	29.7	29.2	30.6	MC 5	FC 5	MD 4	25.9	FC 5	27.6	FC 5	FC 5	FC 5	30.2	FC 5	FC 5	22.4			
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19544	28.2	29.1	29.7	MC 5	30.3	MC 5	MC 5	MD 2	FC 5	FC 5	28.1	FC 5	FC 5	29.1	29.3	26.2				
19545	MC 5	MC 5	MC 5	MC 5	25.9	26.8	MC 5	MC 5	27.0	MC 5	27.2	MC 5	24.3	26.5	24.3	26.5	FC 5			
19554	MC 5	MC 5	MC 5	28.5	29.7	25.9	27.2	MC 5	MC 5	FC 5	25.2	FC 5	FC 5	FC 5	24.3	FC 5	28.8	27.6		
19557	26.4	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	26.7	MC 5	26.7	25.5	22.7	FC 5	23.4	FC 5	23.9	FC 5	27.1		
19569	31.7	33.3	36.2	35.9	MC 5	MC 5	31.5	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	32.6	34.8	30.8	FC 5			
19573	24.5	MC 5	25.4	MC 5	21.2	MC 5	22.9	23.1	FC 5	21.6	22.8	24.1	FC 5							
19577	MC 5	MC 5	29.8	29.2	MC 5	MC 5	28.4	26.0	MC 5	27.6	FC 5	FC 5	FC 5	FC 5	24.8	FC 5	29.3	25.9		
19581	28.6	MC 5	MC 5	MC 5	26.6	22.4	MC 5	27.5	MC 5	FC 5	26.1	25.9	FC 5	FC 5	FC 5	21.6	27.0	FC 5	FC 5	
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19598	MC 5	26.8	28.5	MC 5	MC 5	MC 5	28.4	26.7	MC 5	MC 5	FC 5	26.4	27.3	27.5	FC 5	23.8	FS	FS		
19600	MC 5	MC 5	28.8	29.3	MC 5	28.1	28.4	FC 5	28.7	28.6	FC 5	28.2	FC 5	27.2						
19604	34.4	34.7	33.2	34.9	MU	FC 5	31.8	33.1	33.9	FC 5	FC 5	FC 5	31.7	FC 5						
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19607	MC 5	28.5	30.1	28.5	MC 5	MC 5	28.7	FC 5	27.5	27.4	24.9	27.4								
19612	MC 5	MC 5	MC 5	28.3	MC 5	25.2	23.6	MC 5	MC 5	26.4	MC 5	MC 5	FC 5	24.5	25.2	26.6	26.3			
19617	MC 5	29.4	MC 5	29.4	28.6	MC 5	29.6	MC 5	MC 5	27.9	FC 5	26.9	FC 5	27.0	26.1					
19618	MC 5	26.3	MC 5	29.2	22.2	23.2	25.4	FC 5	25.8	FC 5	FC 5	21.3	FC 5	21.7	FC 5	FM 3				
19622	30.0	MC 5	28.4	29.0	31.3	MC 5	MC 5	27.4	FC 5	29.5	29.1	FC 5	30.8							
19623	MC 5	MC 5	23.7	25.2	26.5	MC 5	25.3	MC 5	MC 5	FC 5	FC 5	26.1	FC 5	FC 5	26.7	FC 5	FC 5	24.6	26.3	

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TABLE B30 (PAGE 25): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V						10.0 MG/KG/DAY						POSTPARTUM DAY 12							
19502	27.6	MC 5	29.1	29.8	MC 5	28.4	FC 5	FC 5	FC 5	FC 5	FC 5	26.8	27.3	25.8	28.3					
19512	29.3	29.1	MC 5	29.4	MC 5	MC 5	29.7	31.1	FC 5	28.9	27.3	FC 5	27.8	FC 5						
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19529	32.8	MC 5	33.1	31.0	32.6	FC 5	28.1	29.0	FC 5	29.0	FC 5	31.8	FD 4							
19532	29.7	MC 5	29.5	30.2	MC 5	30.2	FC 5	FC 5	FC 5	28.2	28.3	24.7	FC 5	FC 5	27.3	FC 5				
19540	MC 5	MC 5	MC 5	28.0	33.1	34.2	MC 5	MC 5	MC 5	31.4	35.7	FC 5	34.9	FC 5	FC 5	33.9	26.5	FD 1		
19541	31.8	MC 5	31.7	MC 5	31.9	31.6	33.6	FC 5	32.1	31.1	31.0	FC 5								
19543	26.2	26.4	MC 5	26.0	24.8	MC 5	MC 5	24.6	FC 5	21.0	24.9	24.0	FC 5	FC 5						
19546	MC 5	28.2	MC 5	28.6	27.3	29.3	MC 5	FC 5	FC 5	26.8	27.2	25.3	FC 5	27.0	FC 5	FC 5				
19548	NOT PREGNANT																			
19551	31.9	26.9	27.3	MC 5	25.4	MS	FC 5	26.2	FC 5	FC 5	29.2	24.0	FC 5	26.0						
19552	27.3	MC 5	29.1	26.7	MC 5	27.8	MC 5	MC 5	26.9	FC 5	28.3	FC 5	27.1	FC 5	27.3	FM 3				
19553	MC 5	28.7	MC 5	30.1	29.0	27.9	MC 5	MD 2	27.5	27.8	FC 5	FC 5	FC 5	FC 5	30.2	FC 5	23.7			
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19564	27.9	27.5	MC 5	MC 5	25.9	MC 5	27.5	MC 5	26.8	27.4	FC 5	FC 5	27.0	FC 5	FC 5	26.4				
19570	MC 5	MC 5	MC 5	MC 5	36.0	34.8	MC 5	MC 5	34.6	MC 5	36.4	MC 5	MC 5	31.8	31.9	33.0	32.8			
19572	22.0	21.5	MC 5	MC 5	21.6	MC 5	24.2	MD 5	FC 5	21.7	19.4	FC 5	22.0	21.8	FD 2					
19574	MC 5	MC 5	MC 5	MC 5	22.9	MC 5	MC 5	27.4	28.5	26.9	FC 5	26.1	24.5	26.0	25.4	FC 5	FC 5			
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19595	MC 5	MC 5	MC 5	35.8	33.8	30.5	34.1	MC 5	MC 5	MC 5	32.3	FC 5	FC 5	33.7	30.2	FC 5	28.7	FD 1		
19601	27.7	31.0	MC 5	27.0	28.4	MM 2	FC 5	FC 5	27.2	28.4	FC 5	28.8	FC 5	FC 5	27.4	FC 5				
19613	MC 5	28.4	25.3	21.0	MC 5	28.0	MC 5	MC 5	MC 5	MC 5	MC 5	26.7	FC 5	24.4	25.0	24.3				
19620	28.8	29.8	MC 5	MC 5	29.2	MC 5	29.1	MC 5	MD 1	27.4	FC 5	26.8	27.8	26.6						
19624	28.0	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	26.7	29.7	27.1	28.8	FC 5	27.7	FC 5	28.5	FC 5	27.5	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 26): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					0 (CARRIER) MG/KG/DAY								POSTPARTUM DAY 14						
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	MC 5	MC12	34.2	34.2	33.1	33.4	FC 5	FC12	32.8	33.5										
19508	MC 5	MC 5	27.9	MC12	MC 5	28.8	MC 5	24.6	MC 5	MC 5	MS	FC12	FC 5	22.5	26.9	26.5				
19513	38.8	MC 5	MC12	MC 5	MC 5	42.9	40.6	36.5	37.3	FC12	37.4									
19519	MC 5	33.6	MC 5	MC 5	34.0	MC12	MC 5	32.0	MC 5	30.2	30.8	32.2	FC12	FC 5						
19520	31.1	31.0	MC12	33.1	MM 3	MS	FC 5	31.7	31.8	FC12	FC 5	FC 5	FC 5	FC 5	31.7	FC 5	FC 5	FS		
19523	MC 5	MC 5	MC12	40.0	MC 5	38.4	38.3	MS	FC 5	36.1	FC12	FC 5	37.2	FC 5	FC 5	37.4				
19526	36.7	MC 5	36.1	MC 5	MC 5	MC 5	MC12	37.1	MC 5	28.8	FC 5	FC12	36.3	FC 5	35.9					
19530	37.1	36.9	MC 5	MC12	37.6	MC 5	MC 5	MD 3	FC 5	FC 5	FC 5	FC12	37.1	34.9	36.0	FC 5	FC 5	FC 5		
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19556	34.9	MC 5	33.6	MC12	MC 5	33.7	FC 5	FC 5	FC12	FC 5	FC 5	33.5	32.4	33.6	FC 5					
19558	37.0	MC 5	34.3	MC12	36.7	MC 5	MC 5	FC 5	32.8	33.7	FC 5	FC12	FC 5	36.3						
19561	33.3	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	32.6	MC12	32.7	33.2	FC12	33.9	FC 5	32.7	FC 5				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	39.7	MC 5	39.4	39.7	MC12	35.2	38.5	FC 5	FC 5	FC 5	FC12	FC 5	38.7	FC 5						
19571	MC 5	35.8	MC12	35.6	MC 5	MC 5	32.5	FC 5	32.6	FC 5	FC 5	35.7	FC12	29.2						
19580	38.2	MC12	MC 5	35.2	MC 5	MC 5	36.8	FC 5	36.0	FC 5	FC 5	FC 5	37.0	33.9	FC12					
19582	33.7	MC12	36.0	32.4	MC 5	MC 5	33.6	32.1	FC12	FC 5	FC 5	32.9	FC 5	FC 5						
19585	MC 5	MC 5	33.9	MC 5	MC 5	MC 5	36.4	MC 5	MC12	33.1	FC 5	35.3	FC 5	33.5	FC 5	32.7	FC12			
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19610	43.2	40.3	MC 5	MC12	MC 5	42.7	40.0	FC 5	FC 5	FC 5	37.4	40.3	FC12							
19611	MC12	34.4	33.5	33.4	FC 5	FC 5	FC12	35.7	FC 5	35.3	FC 5	FC 5	FC 5	36.8						
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19621	37.4	MC 5	MC 5	31.7	MC12	MC 5	38.1	33.2	FC 5	35.3	35.5	FC12	FC 5	FC 5						
19625	34.7	37.6	MC12	40.3	FC 5	FC 5	FC 5	35.3	36.1	FC12	34.0	FC 5	FD 2							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 27): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY						POSTPARTUM DAY 14						
19501	MC12	29.7	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	28.9	26.7	21.5	FC 5	FC12	26.3	17.9	FM 5	FD 5			
19511	32.4	34.1	MC 5	MC 5	35.2	MC12	MC 5	MC 5	FC 5	FC 5	FC12	FC 5	33.2	34.1	32.0	FS				
19514	34.9	33.5	32.8	MC12	MC 5	FC12	FC 5	FC 5	33.8	FC 5	31.9	32.9	FC 5							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19531	MC 5	MC 5	35.2	36.7	MC 5	MC12	32.3	MD 4	FC 5	35.5	FC12	FC 5	FC 5	FC 5	35.7	FC 5	35.6			
19533	MC 5	MC 5	35.7	33.8	MC12	MC 5	34.4	FC 5	33.2	FC 5	30.6	FC12	FC 5	33.3	FC 5					
19534	37.9	39.8	40.3	MC12	FC 5	FC 5	FC 5	39.9	FC 5	36.4	FC12	FC 5	FC 5	37.9						
19536	35.6	33.3	35.4	FC 5	34.0	FC 5	FC 5	FC 5	33.6	FC 5	FC12	32.7	32.8							
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19562	MC 5	36.7	MC 5	34.3	38.9	MC12	MC 5	FC 5	33.5	34.9	FC12	FC 5	36.2	FC 5						
19566	MC 5	MC 5	34.5	MC 5	MC12	33.9	34.5	MD 4	31.3	FC 5	FC 5	34.2	FC12	32.4	FC 5	FC 5				
19575	MC 5	28.3	30.3	MC 5	MC 5	MC 5	MC12	26.7	25.7	FC 5	FC 5	28.3	FC 5	FC12	27.6	FC 5				
19576	MC 5	31.2	33.4	29.4	MC 5	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	27.9	31.5	FC12	29.8					
19590	34.5	MC 5	MC 5	MC 5	36.9	MC12	36.1	MC 5	FC 5	36.2	FC 5	FC12	FC 5	32.2	33.6					
19593	MC 5	MC 5	MC 5	31.1	30.5	28.9	MC12	MC 5	MS	MS	32.6	FC12	33.1	FC 5	FC 5	FC 5	31.7			
19594	34.1	32.8	33.6	MC 5	MC12	30.3	29.2	30.4	FC12	FC 5										
19599	36.6	MC12	35.6	27.4	MC 5	33.5	FC12	FC 5	35.3	FC 5	34.9									
19602	36.4	41.0	MC 5	MC 5	39.0	MC12	FC12	40.1	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	39.7	42.6				
19605	MC 5	MC 5	35.0	MC 5	31.6	MC 5	MC12	MC 5	34.2	34.6	32.3	FC12	FC 5	31.1	FC 5					
19609	MC 5	MC 5	MC 5	MC 5	36.1	MC 5	MC12	36.0	MC 5	MC 5	MC 5	37.7	34.2	FC12	FC 5	35.0	31.4			
19615	MC 5	MC 5	MC 5	38.1	34.9	MC 5	MC12	MC 5	36.2	32.9	FC 5	35.5	35.1	FC12						
19619	26.2	20.5	MD 7	MC 5	MC 5	MC 5	MC 5	MC 5	17.8	MD 5	MS	24.9	FC12	11.8	FC 5	18.4	FD 3			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 28): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY						POSTPARTUM DAY 14						
19504	36.1	MC12	MC 5	34.8	35.2	MC 5	FC12	FC 5	FC 5	34.7	35.2	FC 5	31.6	FC 5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	36.6	MC12	37.5	37.3	MC 5	MC 5	MC 5	FC 5	FC12	37.1	35.4	34.2	FC 5							
19535	29.9	30.7	32.6	MD 2	FC 5	32.1	FC 5	FC 5	FC 5	FC 5	32.0	29.9	FC12	29.6	FC 5	FC 5				
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19539	MC12	35.2	MC 5	35.9	37.6	FC 5	FC 5	FC 5	34.0	FC 5	FC 5	37.7	FC12	37.3						
19547	36.1	MC 5	37.8	MC 5	MC 5	MC 5	37.5	MC 5	MC 5	MC12	MC 5	37.7	37.7	35.5	FC12	FC 5				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	MC 5	MC 5	34.5	28.4	28.3	MC 5	MC12	25.6	FC 5	FC 5	FC12	31.3	FC 5	29.6	FC 5	FM 5	FS			
19567	36.1	MC 5	38.3	MC 5	MC 5	MC 5	36.6	MC 5	MC 5	MC12	33.1	33.0	34.0	FC12	FC 5	FC 5	FC 5			
19568	MC 5	MC 5	MC12	34.8	33.7	37.2	33.4	FC 5	34.3	FC12	34.4	FC 5	FC 5	FD 1						
19578	MC 5	MC 5	36.5	32.0	MC 5	33.0	MC12	MC 5	33.2	31.3	FC12	FC 5	34.1	FC 5	FC 5					
19579	34.3	MC 5	32.5	MC 5	MC12	MC 5	35.0	MS	FC12	32.3	FC 5	FC 5	FC 5	30.5	27.9	FD 1	FS			
19584	MC 5	MC 5	MC12	36.6	37.6	38.9	36.0	FC 5	37.7	FC12	34.3	FC 5	FC 5							
19586	MC 5	32.7	36.8	35.6	MC 5	MC12	FC 5	FC 5	34.6	FC 5	FC 5	34.2	FC 5	FC 5	FC12	FC 5	34.2	FC 5	FC 5	
19587	MC 5	32.0	MC 5	34.0	MC12	MC 5	MC 5	34.9	FC12	FC 5	33.1	FC 5	33.9	31.8	FC 5	FS				
19588	MC 5	MC 5	MC 5	27.9	MC12	29.3	30.8	MC 5	MC 5	MC 5	27.3	28.2	FC 5	26.0	FC12	FC 5				
19589	MC 5	40.5	38.0	41.0	MC12	FC 5	FC 5	FC 5	FC 5	36.5	35.6	FC12	35.0	FC 5	FC 5					
19592	33.3	34.9	MC 5	31.3	MC 5	MC 5	MC12	30.7	FC12	FC 5	28.2	FC 5	FC 5	FC 5	FC 5	34.9				
19596	MC12	MC 5	32.5	MC 5	35.2	MC 5	33.5	MC 5	30.8	FC 5	FC 5	34.9	30.8	FC 5	FC12					
19597	MC 5	MC 5	MC12	MC 5	MC 5	32.7	36.1	36.1	FC 5	FC 5	35.2	FC12	FC 5	32.2	31.6	FD 4				
19603	MC 5	35.5	31.9	33.5	MC 5	MC 5	MC12	FC 5	35.4	31.7	29.3	FC12	FC 5	FD 4						
19616	MC12	MC 5	34.6	29.6	32.2	MC 5	34.2	FC 5	30.5	FC 5	FC 5	FC 5	FC12	FC 5	FC 5	33.1				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 29): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV						3.0 MG/KG/DAY							POSTPARTUM DAY 14						
19506	MC12	MC 5	MC 5	34.0	30.8	MC 5	30.1	MC 5	MC 5	28.8	27.6	FC 5	30.7	FC 5	FC 5	FC 5	FC 5	FC12		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	40.3	MC 5	MC 5	MC12	MC 5	38.9	MC 5	39.4	39.7	36.4	38.1	FC 5	FC 5	FC12	FC 5	FC 5	FC 5	FM 2		
19525	35.3	MC12	36.6	37.6	MC 5	FC 5	MD 4	32.5	FC 5	35.0	FC 5	FC 5	FC 5	37.3	FC 5	FC 5	FC12			
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19544	MC12	34.0	35.4	MC 5	36.9	MC 5	MC 5	MD 2	FC 5	FC 5	34.3	FC 5	FC 5	34.1	36.8	FC12				
19545	MC 5	MC 5	MC 5	MC 5	MC12	34.2	MC 5	MC 5	34.4	MC 5	33.2	MC 5	30.7	FC12	30.9	34.0	FC 5			
19554	MC 5	MC 5	MC 5	MC12	35.0	30.9	33.4	MC 5	MC 5	FC 5	30.1	FC 5	FC 5	FC 5	FC12	FC 5	33.6	32.7		
19557	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	33.4	MC 5	34.4	31.5	FC12	FC 5	29.0	FC 5	29.4	FC 5	34.0		
19569	MC12	40.8	44.0	44.0	MC 5	MC 5	37.8	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	FC12	42.1	38.6	FC 5			
19573	31.0	MC 5	31.9	MC 5	26.7	MC 5	MC12	28.5	FC 5	27.7	FC12	30.5	FC 5							
19577	MC 5	MC 5	37.8	36.5	MC 5	MC 5	35.9	MC12	MC 5	FC12	FC 5	FC 5	FC 5	FC 5	31.7	FC 5	35.5	33.6		
19581	MC12	MC 5	MC 5	MC 5	34.1	28.9	MC 5	35.4	MC 5	FC 5	FC12	32.9	FC 5	FC 5	FC 5	27.1	34.2	FC 5	FC 5	
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19598	MC 5	33.1	35.5	MC 5	MC 5	MC 5	MC12	32.5	MC 5	MC 5	FC 5	FC12	33.6	34.3	FC 5	29.4	FS	FS		
19600	MC 5	MC 5	35.8	36.8	MC 5	35.6	MC12	FC 5	35.8	FC12	FC 5	34.5	FC 5	33.4						
19604	42.0	40.4	39.8	MC12	MU	FC 5	39.5	40.4	FC12	FC 5	FC 5	FC 5	39.5	FC 5						
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19607	MC 5	33.6	35.7	33.3	MC 5	MC 5	MC12	FC 5	33.7	32.8	30.3	FC12								
19612	MC 5	MC 5	MC 5	34.5	MC 5	MC12	31.2	MC 5	MC 5	32.8	MC 5	MC 5	FC 5	30.5	FC12	33.2	32.5			
19617	MC 5	36.0	MC 5	35.4	34.8	MC 5	MC12	MC 5	MC 5	FC12	FC 5	32.2	FC 5	34.2	31.9					
19618	MC 5	32.3	MC 5	MC12	30.1	28.7	FC12	FC 5	34.0	FC 5	FC 5	26.8	FC 5	29.0	FC 5	FM 3				
19622	35.0	MC 5	34.7	MC12	35.6	MC 5	MC 5	FC12	FC 5	34.4	32.2	FC 5	36.4							
19623	MC 5	MC 5	32.2	MC12	33.7	MC 5	33.3	MC 5	MC 5	FC 5	FC 5	34.8	FC 5	FC 5	35.3	FC 5	FC 5	31.7	FC12	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 30): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V						10.0 MG/KG/DAY							POSTPARTUM DAY 14						
19502	34.3	MC 5	34.9	35.9	MC 5	MC12	FC 5	FC 5	FC 5	FC 5	FC 5	31.9	FC12	32.1	34.8					
19512	36.2	MC12	MC 5	36.9	MC 5	MC 5	36.8	37.4	FC 5	35.6	34.1	FC 5	FC12	FC 5						
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19529	40.4	MC 5	39.1	MC12	40.6	FC 5	34.0	FC12	FC 5	36.5	FC 5	37.3	FD 4							
19532	MC12	MC 5	35.6	37.3	MC 5	37.3	FC 5	FC 5	FC 5	34.8	FC12	31.3	FC 5	FC 5	33.2	FC 5				
19540	MC 5	MC 5	MC 5	35.8	MC12	40.6	MC 5	MC 5	MC 5	38.9	42.9	FC 5	41.9	FC 5	FC 5	FC12	32.2	FD 1		
19541	39.5	MC 5	MC12	MC 5	38.6	39.2	40.9	FC 5	39.0	FC12	37.3	FC 5								
19543	33.4	34.2	MC 5	MC12	31.4	MC 5	MC 5	31.5	FC 5	FC12	32.1	30.6	FC 5	FC 5						
19546	MC 5	36.6	MC 5	36.6	MC12	37.3	MC 5	FC 5	FC 5	35.0	34.9	FC12	FC 5	34.3	FC 5	FC 5				
19548	NOT PREGNANT																			
19551	39.0	33.7	33.6	MC 5	MC12	MS	FC 5	32.4	FC 5	FC 5	35.7	FC12	FC 5	32.0						
19552	36.5	MC 5	37.4	33.9	MC 5	MC12	MC 5	MC 5	34.4	FC 5	37.5	FC 5	FC12	FC 5	35.1	FM 3				
19553	MC 5	35.3	MC 5	MC12	34.8	33.9	MC 5	MD 2	33.5	34.4	FC 5	FC 5	FC 5	FC 5	FC12	FC 5	29.6			
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19564	34.7	34.7	MC 5	MC 5	MC12	MC 5	35.4	MC 5	34.5	35.8	FC 5	FC 5	FC12	FC 5	FC 5	35.3				
19570	MC 5	MC 5	MC 5	MC 5	MC12	41.3	MC 5	MC 5	43.4	MC 5	44.7	MC 5	MC 5	41.3	38.7	41.9	FC12			
19572	MC12	27.3	MC 5	MC 5	25.9	MC 5	29.2	MD 5	FC 5	27.2	24.2	FC 5	FC12	27.0	FD 2					
19574	MC 5	MC 5	MC 5	MC 5	MC12	MC 5	MC 5	33.6	34.3	32.5	FC 5	32.2	29.2	FC12	31.6	FC 5	FC 5			
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19595	MC 5	MC 5	MC 5	MC12	43.0	36.7	42.3	MC 5	MC 5	MC 5	39.4	FC 5	FC 5	FC12	38.3	FC 5	36.6	FD 1		
19601	32.4	MC12	MC 5	33.9	32.2	MM 2	FC 5	FC 5	33.2	FC12	FC 5	33.0	FC 5	FC 5	32.7	FC 5				
19613	MC 5	36.2	31.1	MC12	MC 5	36.0	MC 5	MC 5	MC 5	MC 5	MC 5	32.9	FC 5	31.2	FC12	31.0				
19620	MC12	36.1	MC 5	MC 5	36.0	MC 5	36.4	MC 5	MD 1	34.3	FC 5	FC12	34.0	34.1						
19624	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	33.7	35.6	34.3	FC12	FC 5	35.2	FC 5	35.1	FC 5	32.5	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 31): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY								POSTPARTUM DAY 18					
19503	*FOUND DEAD ON DAY 22 OF GESTATION*																			
19505	MC 5	MC12	43.8	45.8	43.4	44.9	FC 5	FC12	44.1	41.9										
19508	MC 5	MC 5	36.1	MC12	MC 5	37.5	MC 5	31.5	MC 5	MC 5	MS	FC12	FC 5	29.9	35.0	34.1				
19513	50.6	MC 5	MC12	MC 5	MC 5	55.6	54.5	45.6	46.8	FC12	46.5									
19519	MC 5	47.1	MC 5	MC 5	44.7	MC12	MC 5	43.3	MC 5	41.6	39.7	44.2	FC12	FC 5						
19520	43.1	39.3	MC12	44.3	MM 3	MS	FC 5	42.6	40.4	FC12	FC 5	FC 5	FC 5	FC 5	40.0	FC 5	FC 5	FS		
19523	MC 5	MC 5	MC12	52.3	MC 5	52.6	48.5	MS	FC 5	46.9	FC12	FC 5	48.4	FC 5	FC 5	46.6				
19526	45.2	MC 5	45.5	MC 5	MC 5	MC 5	MC12	46.6	MC 5	36.6	FC 5	FC12	44.4	FC 5	46.1					
19530	49.3	48.9	MC 5	MC12	50.6	MC 5	MC 5	MD 3	FC 5	FC 5	FC 5	FC12	49.5	45.7	48.2	FC 5	FC 5	FC 5		
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19556	47.7	MC 5	45.9	MC12	MC 5	44.2	FC 5	FC 5	FC12	FC 5	FC 5	47.4	45.7	45.2	FC 5					
19558	49.7	MC 5	46.2	MC12	49.1	MC 5	MC 5	FC 5	44.1	45.5	FC 5	FC12	FC 5	48.8						
19561	41.8	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	41.4	MC12	43.8	42.1	FC12	42.8	FC 5	41.7	FC 5				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	50.3	MC 5	50.8	50.4	MC12	43.9	48.3	FC 5	FC 5	FC 5	FC12	FC 5	49.2	FC 5						
19571	MC 5	48.0	MC12	48.2	MC 5	MC 5	42.9	FC 5	44.9	FC 5	FC 5	48.5	FC12	40.0						
19580	49.8	MC12	MC 5	48.3	MC 5	MC 5	48.2	FC 5	49.4	FC 5	FC 5	FC 5	50.2	46.5	FC12					
19582	43.2	MC12	45.8	41.4	MC 5	MC 5	43.8	41.0	FC12	FC 5	FC 5	42.4	FC 5	FC 5						
19585	MC 5	MC 5	41.3	MC 5	MC 5	MC 5	47.5	MC 5	MC12	44.7	FC 5	45.4	FC 5	44.7	FC 5	43.0	FC12			
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19610	56.3	51.6	MC 5	MC12	MC 5	57.2	51.8	FC 5	FC 5	FC 5	48.1	53.1	FC12							
19611	MC12	44.1	44.6	45.4	FC 5	FC 5	FC12	46.2	FC 5	45.4	FC 5	FC 5	FC 5	46.8						
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19621	49.8	MC 5	MC 5	40.9	MC12	MC 5	50.1	42.9	FC 5	46.8	45.0	FC12	FC 5	FC 5						
19625	45.5	48.6	MC12	51.1	FC 5	FC 5	FC 5	46.4	46.9	FC12	44.4	FC 5	FD 2							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 32): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II						0.1 MG/KG/DAY						POSTPARTUM DAY 18							
19501	MC12	43.2	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	41.8	38.4	34.2	FC 5	FC12	36.7	28.6	FM 5	FD 5			
19511	44.9	46.4	MC 5	MC 5	47.6	MC12	MC 5	MC 5	FC 5	FC 5	FC12	FC 5	43.3	45.4	44.0	FS				
19514	47.5	44.0	44.3	MC12	MC 5	FC12	FC 5	FC 5	44.7	FC 5	FD17	42.6	FC 5							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19531	MC 5	MC 5	46.6	50.3	MC 5	MC12	43.5	MD 4	FC 5	44.8	FC12	FC 5	FC 5	FC 5	45.7	FC 5	48.0			
19533	MC 5	MC 5	44.6	42.3	MC12	MC 5	42.9	FC 5	40.8	FC 5	38.2	FC12	FC 5	42.2	FC 5					
19534	48.4	48.3	50.1	MC12	FC 5	FC 5	FC 5	49.4	FC 5	45.6	FC12	FC 5	FC 5	47.6						
19536	46.0	43.8	46.2	FC 5	44.7	FC 5	FC 5	FC 5	41.9	FC 5	FC12	43.3	FD16							
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19562	MC 5	44.4	MC 5	45.5	51.5	MC12	MC 5	FC 5	43.5	46.6	FC12	FC 5	46.4	FC 5						
19566	MC 5	MC 5	47.0	MC 5	MC12	44.9	46.9	MD 4	42.4	FC 5	FC 5	45.8	FC12	43.8	FC 5	FC 5				
19575	MC 5	36.2	35.9	MC 5	MC 5	MC 5	MC12	34.4	33.8	FC 5	FC 5	34.4	FC 5	FC12	34.2	FC 5				
19576	MC 5	41.2	43.4	39.7	MC 5	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	37.0	41.0	FC12	39.3					
19590	45.1	MC 5	MC 5	MC 5	48.7	MC12	46.9	MC 5	FC 5	47.4	FC 5	FC12	FC 5	43.1	43.8					
19593	MC 5	MC 5	MC 5	44.7	42.7	40.0	MC12	MC 5	MS	MS	46.2	FC12	44.7	FC 5	FC 5	FC 5	43.7			
19594	45.2	44.5	45.7	MC 5	MC12	41.4	41.2	42.6	FC12	FC 5										
19599	47.7	MC12	46.5	MM17	MC 5	45.4	FC12	FC 5	45.8	FC 5	45.3									
19602	50.5	53.3	MC 5	MC 5	53.8	MC12	FC12	55.2	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	53.8	55.6				
19605	MC 5	MC 5	44.4	MC 5	40.4	MC 5	MC12	MC 5	43.1	44.1	41.4	FC12	FC 5	40.3	FC 5					
19609	MC 5	MC 5	MC 5	MC 5	47.0	MC 5	MC12	45.9	MC 5	MC 5	MC 5	46.2	44.2	FC12	FC 5	44.6	40.6			
19615	MC 5	MC 5	MC 5	48.6	44.3	MC 5	MC12	MC 5	45.7	41.5	FC 5	45.2	43.5	FC12						
19619	38.0	31.8	MD 7	MC 5	MC 5	MC 5	MC 5	MC 5	28.4	MD 5	MS	36.4	FC12	18.9	FC 5	28.3	FD 3			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 33): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY						POATPARTUM DAY 18						
19504	44.2	MC12	MC 5	44.9	45.4	MC 5	FC12	FC 5	FC 5	44.3	44.0	FC 5	41.5	FC 5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	49.1	MC12	48.0	48.4	MC 5	MC 5	MC 5	FC 5	FC12	49.6	43.4	46.4	FC 5							
19535	40.2	42.3	46.5	MD 2	FC 5	45.0	FC 5	FC 5	FC 5	FC 5	FD16	41.4	FC12	40.8	FC 5	FC 5				
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19539	MC12	46.1	MC 5	46.1	48.6	FC 5	FC 5	FC 5	43.1	FC 5	FC 5	47.3	FC12	47.6						
19547	49.0	MC 5	53.1	MC 5	MC 5	MC 5	51.7	MC 5	MC 5	MC12	MC 5	50.6	48.8	48.7	FC12	FC 5				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	MC 5	MC 5	45.8	39.7	38.1	MC 5	MC12	37.4	FC 5	FC 5	FC12	41.2	FC 5	41.3	FC 5	FM 5	FS			
19567	44.0	MC 5	47.9	MC 5	MC 5	MC 5	46.1	MC 5	MC 5	MC12	42.1	42.6	43.1	FC12	FC 5	FC 5	FC 5			
19568	MC 5	MC 5	MC12	46.8	45.0	49.4	45.7	FC 5	45.3	FC12	47.4	FC 5	FC 5	FD 1						
19578	MC 5	MC 5	46.2	41.5	MC 5	42.3	MC12	MC 5	43.7	40.0	FC12	FC 5	44.6	FC 5	FC 5					
19579	46.0	MC 5	45.3	MC 5	MC12	MC 5	48.5	MS	FC12	46.3	FC 5	FC 5	FC 5	42.9	40.1	FD 1	FS			
19584	MC 5	MC 5	MC12	50.9	50.4	54.8	47.6	FC 5	51.2	FC12	47.5	FC 5	FC 5							
19586	MC 5	43.9	50.1	49.0	MC 5	MC12	FC 5	FC 5	48.0	FC 5	FC 5	45.5	FC 5	FC 5	FC12	FC 5	45.0	FC 5	FC 5	
19587	MC 5	45.1	MC 5	47.9	MC12	MC 5	MC 5	47.5	FC12	FC 5	45.0	FC 5	47.2	44.0	FC 5	FS				
19588	MC 5	MC 5	MC 5	41.2	MC12	43.0	43.8	MC 5	MC 5	MC 5	39.3	41.1	FC 5	38.5	FC12	FC 5				
19589	MC 5	48.2	49.1	51.2	MC12	FC 5	FC 5	FC 5	FC 5	43.2	44.6	FC12	43.4	FC 5	FC 5					
19592	45.5	45.2	MC 5	41.1	MC 5	MC 5	MC12	39.3	FC12	FC 5	38.1	FC 5	FC 5	FC 5	FC 5	47.6				
19596	MC12	MC 5	44.4	MC 5	45.8	MC 5	45.2	MC 5	43.3	FC 5	FC 5	43.6	40.7	FC 5	FC12					
19597	MC 5	MC 5	MC12	MC 5	MC 5	44.7	47.4	45.7	FC 5	FC 5	46.3	FC12	FC 5	43.2	42.5	FD 4				
19603	MC 5	44.6	41.7	41.9	MC 5	MC 5	MC12	FC 5	45.2	41.5	39.4	FC12	FC 5	FD 4						
19616	MC12	MC 5	41.6	40.2	40.6	MC 5	41.0	FC 5	41.6	FC 5	FC 5	FC 5	FC12	FC 5	FC 5	40.8				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 34): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV						3.0 MG/KG/DAY							POSTPARTUM DAY 18						
19506	MC12	MC 5	MC 5	46.2	41.3	MC 5	40.5	MC 5	MC 5	39.4	38.1	FC 5	40.2	FC 5	FC 5	FC 5	FC 5	FC12		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	53.9	MC 5	MC 5	MC12	MC 5	51.6	MC 5	53.6	53.1	50.7	49.4	FC 5	FC 5	FC12	FC 5	FC 5	FC 5	FM 2		
19525	49.0	MC12	47.6	51.0	MC 5	FC 5	MD 4	45.8	FC 5	45.7	FC 5	FC 5	FC 5	47.0	FC 5	FC 5	FC12			
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19544	MC12	48.5	48.4	MC 5	53.1	MC 5	MC 5	MD 2	FC 5	FC 5	48.2	FC 5	FC 5	47.9	50.0	FC12				
19545	MC 5	MC 5	MC 5	MC 5	MC12	44.4	MC 5	MC 5	45.0	MC 5	44.5	MC 5	39.7	FC12	41.1	43.4	FC 5			
19554	MC 5	MC 5	MC 5	MC12	46.6	41.4	45.0	MC 5	MC 5	FC 5	41.0	FC 5	FC 5	FC 5	FC12	FC 5	44.5	43.6		
19557	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	47.0	MC 5	46.1	43.7	FC12	FC 5	41.7	FC 5	41.5	FC 5	45.4		
19569	MC12	55.8	59.2	58.5	MC 5	MC 5	52.7	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	FC12	57.7	54.0	FC 5			
19573	40.9	MC 5	40.1	MC 5	36.9	MC 5	MC12	37.5	FC 5	36.2	FC12	41.5	FC 5							
19577	MC 5	MC 5	48.3	48.1	MC 5	MC 5	46.9	MC12	MC 5	FC12	FC 5	FC 5	FC 5	FC 5	42.1	FC 5	46.7	44.8		
19581	MC12	MC 5	MC 5	MC 5	42.8	38.2	MC 5	47.7	MC 5	FC 5	FC12	42.4	FC 5	FC 5	FC 5	37.1	43.9	FC 5	FC 5	
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19598	MC 5	46.6	48.8	MC 5	MC 5	MC 5	MC12	46.1	MC 5	MC 5	FC 5	FC12	46.7	47.8	FC 5	42.1	FS	FS		
19600	MC 5	MC 5	50.5	51.9	MC 5	48.3	MC12	FC 5	49.7	FC12	FC 5	47.5	FC 5	45.5						
19604	52.5	50.9	51.6	MC12	MU	FC 5	51.0	51.4	FC12	FC 5	FC 5	FC 5	49.9	FC 5						
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19607	MC 5	44.1	46.2	43.1	MC 5	MC 5	MC12	FC 5	44.5	41.7	40.6	FC12								
19612	MC 5	MC 5	MC 5	46.5	MC 5	MC12	41.1	MC 5	MC 5	44.3	MC 5	MC 5	FC 5	40.8	FC12	43.7	41.8			
19617	MC 5	49.8	MC 5	48.0	48.5	MC 5	MC12	MC 5	MC 5	FC12	FC 5	45.8	FC 5	43.6	47.2					
19618	MC 5	46.4	MC 5	MC12	41.7	43.2	FC12	FC 5	46.6	FC 5	FC 5	36.0	FC 5	39.8	FC 5	FM 3				
19622	44.2	MC 5	43.3	MC12	43.2	MC 5	MC 5	FC12	FC 5	42.0	40.6	FC 5	45.3							
19623	MC 5	MC 5	44.7	MC12	47.3	MC 5	46.1	MC 5	MC 5	FC 5	FC 5	46.3	FC 5	FC 5	48.1	FC 5	FC 5	43.5	FC12	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

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(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 35): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V						10.0 MG/KG/DAY						POSTPARTUM DAY 18							
19502	47.9	MC 5	46.0	48.0	MC 5	MC12	FC 5	FC 5	FC 5	FC 5	FC 5	42.1	FC12	44.5	46.7					
19512	47.6	MC12	MC 5	51.5	MC 5	MC 5	48.3	51.1	FC 5	46.1	45.0	FC 5	FC12	FC 5						
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19529	51.3	MC 5	48.9	MC12	51.5	FC 5	42.9	FC12	FC 5	46.1	FC 5	45.6	FD 4							
19532	MC12	MC 5	50.4	50.7	MC 5	47.4	FC 5	FC 5	FC 5	47.7	FC12	44.3	FC 5	FC 5	43.4	FC 5				
19540	MC 5	MC 5	MC 5	46.5	MC12	51.6	MC 5	MC 5	MC 5	48.0	53.4	FC 5	53.7	FC 5	FC 5	FC12	41.1	FD 1		
19541	50.6	MC 5	MC12	MC 5	50.2	50.8	55.6	FC 5	50.6	FC12	50.3	FC 5								
19543	41.0	42.3	MC 5	MC12	39.0	MC 5	MC 5	39.1	FC 5	FC12	38.8	38.5	FC 5	FC 5						
19546	MC 5	48.5	MC 5	46.7	MC12	49.8	MC 5	FC 5	FC 5	46.6	45.3	FC12	FC 5	44.6	FC 5	FC 5				
19548	NOT PREGNANT																			
19551	52.1	44.4	45.2	MC 5	MC12	MS	FC 5	44.4	FC 5	FC 5	48.6	FC12	FC 5	43.0						
19552	49.6	MC 5	51.4	47.7	MC 5	MC12	MC 5	MC 5	45.7	FC 5	47.7	FC 5	FC12	FC 5	47.8	FM 3				
19553	MC 5	46.6	MC 5	MC12	47.7	46.0	MC 5	MD 2	44.5	45.5	FC 5	FC 5	FC 5	FC 5	FC12	FC 5	40.4			
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19564	46.6	47.5	MC 5	MC 5	MC12	MC 5	45.7	MC 5	45.0	46.9	FC 5	FC 5	FC12	FC 5	FC 5	45.0				
19570	MC 5	MC 5	MC 5	MC 5	MC12	52.5	MC 5	MC 5	55.7	MC 5	55.5	MC 5	MC 5	51.7	49.2	53.3	FC12			
19572	MC12	38.8	MC 5	MC 5	38.1	MC 5	40.7	MD 5	FC 5	39.0	36.5	FC 5	FC12	37.8	FD 2					
19574	MC 5	MC 5	MC 5	MC 5	MC12	MC 5	MC 5	44.0	45.4	42.6	FC 5	41.6	37.9	FC12	42.1	FC 5	FC 5			
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19595	MC 5	MC 5	MC 5	MC12	55.7	45.4	54.2	MC 5	MC 5	MC 5	49.2	FC 5	FC 5	FC12	49.8	FC 5	47.8	FD 1		
19601	46.5	MC12	MC 5	46.7	45.1	MM 2	FC 5	FC 5	47.1	FC12	FC 5	47.3	FC 5	FC 5	46.9	FC 5				
19613	MC 5	49.2	34.9	MC12	MC 5	49.1	MC 5	MC 5	MC 5	MC 5	MC 5	46.3	FC 5	43.8	FC12	42.4				
19620	MC12	44.9	MC 5	MC 5	45.8	MC 5	45.9	MC 5	MD 1	44.5	FC 5	FC12	41.6	41.7						
19624	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	46.2	48.5	45.6	FC12	FC 5	46.8	FC 5	46.3	FC 5	41.5	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (RAGE 36): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (CARRIER) MG/KG/DAY								POSTPARTUM DAY 22					
19503	FOUND DEAD ON DAY 22 OF GESTATION																			
19505	MC 5	MC12	60.4	64.7	61.4	62.7	FC 5	FC12	59.9	61.5										
19508	MC 5	MC 5	50.6	MC12	MC 5	54.2	MC 5	46.5	MC 5	MC 5	MS	FC12	FC 5	43.1	48.9	50.9				
19513	72.0	MC 5	MC12	MC 5	MC 5	76.4	72.4	62.7	61.6	FC12	65.6									
19519	MC 5	62.0	MC 5	MC 5	60.6	MC12	MC 5	57.3	MC 5	56.5	52.4	58.1	FC12	FC 5						
19520	59.1	53.9	MC12	58.3	MM 3	MS	FC 5	54.9	53.1	FC12	FC 5	FC 5	FC 5	FC 5	53.8	FC 5	FC 5	FS		
19523	MC 5	MC 5	MC12	68.8	MC 5	68.6	65.3	MS	FC 5	62.5	FC12	FC 5	60.5	FC 5	FC 5	63.6				
19526	59.1	MC 5	59.2	MC 5	MC 5	MC 5	MC12	56.7	MC 5	46.9	FC 5	FC12	59.1	FC 5	57.7					
19530	58.7	64.1	MC 5	MC12	65.1	MC 5	MC 5	MD 3	FC 5	FC 5	FC 5	FC12	62.0	57.6	57.6	FC 5	FC 5	FC 5		
19549	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19556	61.8	MC 5	58.7	MC12	MC 5	60.5	FC 5	FC 5	FC12	FC 5	FC 5	61.0	58.0	60.1	FC 5					
19558	69.0	MC 5	58.5	MC12	67.1	MC 5	MC 5	FC 5	57.0	62.1	FC 5	FC12	FC 5	62.7						
19561	56.0	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	53.9	MC12	55.6	53.5	FC12	54.0	FC 5	53.5	FC 5				
19563	MORIBUND SACRIFICED ON DAY 1 OF LACTATION																			
19565	67.5	MC 5	71.5	70.0	MC12	59.1	64.5	FC 5	FC 5	FC 5	FC12	FC 5	70.4	FC 5						
19571	MC 5	62.0	MC12	63.9	MC 5	MC 5	54.5	FC 5	55.9	FC 5	FC 5	61.0	FC12	51.5						
19580	64.4	MC12	MC 5	64.6	MC 5	MC 5	63.7	FC 5	63.4	FC 5	FC 5	FC 5	64.9	58.1	FC12					
19582	55.9	MC12	63.0	55.7	MC 5	MC 5	57.9	58.6	FC12	FC 5	FC 5	55.6	FC 5	FC 5						
19585	MC 5	MC 5	53.3	MC 5	MC 5	MC 5	62.8	MC 5	MC12	59.8	FC 5	57.5	FC 5	61.5	FC 5	55.3	FC12			
19608	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19610	75.7	71.2	MC 5	MC12	MC 5	77.8	70.0	FC 5	FC 5	FC 5	65.1	67.8	FC12							
19611	MC12	56.6	56.0	59.3	FC 5	FC 5	FC12	60.0	FC 5	57.4	FC 5	FC 5	FC 5	59.4						
19614	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19621	63.8	MC 5	MC 5	53.4	MC12	MC 5	63.7	53.6	FC 5	56.7	60.0	FC12	FC 5	FC 5						
19625	60.8	68.3	MC12	69.3	FC 5	FC 5	FC 5	60.9	66.3	FC12	58.2	FC 5	FD 2							

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 37): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II							0.1 MG/KG/DAY						POSTPARTUM DAY 22						
19501	MC12	52.0	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	52.4	47.6	42.9	FC 5	FC12	46.3	36.2	FM 5	FD 5			
19511	57.6	58.5	MC 5	MC 5	63.6	MC12	MC 5	MC 5	FC 5	FC 5	FC12	FC 5	55.7	60.1	59.3	FS				
19514	61.6	62.3	61.3	MC12	MC 5	FC12	FC 5	FC 5	60.1	FC 5	FD17	59.2	FC 5							
19515	NOT PREGNANT																			
19516	NOT PREGNANT																			
19524	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19527	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19531	MC 5	MC 5	58.3	60.9	MC 5	MC12	57.4	MD 4	FC 5	57.6	FC12	FC 5	FC 5	FC 5	58.6	FC 5	62.4			
19533	MC 5	MC 5	55.5	55.2	MC12	MC 5	53.0	FC 5	50.5	FC 5	48.3	FC12	FC 5	52.0	FC 5					
19534	63.9	66.6	67.1	MC12	FC 5	FC 5	FC 5	66.5	FC 5	62.4	FC12	FC 5	FC 5	62.2						
19536	57.2	61.2	59.9	FC 5	53.2	FC 5	FC 5	FC 5	55.9	FC 5	FC12	54.8	FD16							
19542	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19562	MC 5	59.8	MC 5	59.5	66.4	MC12	MC 5	FC 5	56.6	58.5	FC12	FC 5	61.0	FC 5						
19566	MC 5	MC 5	60.5	MC 5	MC12	60.0	61.4	MD 4	54.7	FC 5	FC 5	58.9	FC12	57.3	FC 5	FC 5				
19575	MC 5	51.2	53.1	MC 5	MC 5	MC 5	MC12	47.2	45.7	FC 5	FC 5	50.3	FC 5	FC12	48.3	FC 5				
19576	MC 5	52.0	58.6	51.0	MC 5	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	49.5	55.5	FC12	50.8					
19590	59.8	MC 5	MC 5	MC 5	67.7	MC12	63.6	MC 5	FC 5	63.0	FC 5	FC12	FC 5	61.7	59.3					
19593	MC 5	MC 5	MC 5	60.9	59.2	55.0	MC12	MC 5	MS	MS	61.8	FC12	59.6	FC 5	FC 5	FC 5	59.1			
19594	57.3	57.1	53.1	MC 5	MC12	51.7	50.5	51.3	FC12	FC 5										
19599	60.7	MC12	61.7	MM17	MC 5	55.0	FC12	FC 5	59.5	FC 5	57.6									
19602	63.8	73.7	MC 5	MC 5	73.2	MC12	FC12	73.4	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	67.5	73.8				
19605	MC 5	MC 5	66.0	MC 5	60.9	MC 5	MC12	MC 5	62.4	63.9	61.8	FC12	FC 5	59.6	FC 5					
19609	MC 5	MC 5	MC 5	MC 5	60.3	MC 5	MC12	61.2	MC 5	MC 5	MC 5	60.2	56.2	FC12	FC 5	59.1	53.9			
19615	MC 5	MC 5	MC 5	67.9	61.3	MC 5	MC12	MC 5	64.0	57.6	FC 5	62.1	60.1	FC12						
19619	48.3	43.6	MD 7	MC 5	MC 5	MC 5	MC 5	MC 5	37.9	MD 5	MS	46.2	FC12	27.7	FC 5	39.3	FD 3			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
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SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 38): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III							1.0 MG/KG/DAY								POSTPARTUM DAY 22				
19504	62.9	MC12	MC 5	58.1	60.1	MC 5	FC12	FC 5	FC 5	55.9	58.6	FC 5	52.8	FC 5	FS					
19509	NOT PREGNANT																			
19510	NOT PREGNANT																			
19518	NOT PREGNANT																			
19521	63.9	MC12	60.0	61.3	MC 5	MC 5	MC 5	FC 5	FC12	61.7	59.0	58.4	FC 5							
19535	54.8	54.1	60.0	MD 2	FC 5	58.1	FC 5	FC 5	FC 5	FC 5	FD16	53.9	FC12	52.7	FC 5	FC 5				
19538	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19539	MC12	60.1	MC 5	63.2	61.1	FC 5	FC 5	FC 5	57.6	FC 5	FC 5	58.6	FC12	62.4						
19547	65.2	MC 5	69.0	MC 5	MC 5	MC 5	69.7	MC 5	MC 5	MC12	MC 5	66.2	64.9	62.5	FC12	FC 5				
19550	FOUND DEAD ON DAY 22 OF GESTATION																			
19555	MC 5	MC 5	59.7	50.7	51.2	MC 5	MC12	47.9	FC 5	FC 5	FC12	53.9	FC 5	52.1	FC 5	FM 5	FS			
19567	59.2	MC 5	62.7	MC 5	MC 5	MC 5	60.4	MC 5	MC 5	MC12	54.1	56.9	54.0	FC12	FC 5	FC 5	FC 5			
19568	MC 5	MC 5	MC12	61.9	58.4	63.9	58.6	FC 5	58.3	FC12	61.0	FC 5	FC 5	FD 1						
19578	MC 5	MC 5	61.3	56.9	MC 5	57.0	MC12	MC 5	58.4	52.9	FC12	FC 5	60.6	FC 5	FC 5					
19579	56.4	MC 5	58.8	MC 5	MC12	MC 5	63.5	MS	FC12	59.9	FC 5	FC 5	FC 5	54.3	49.1	FD 1	FS			
19584	MC 5	MC 5	MC12	68.4	67.5	73.8	63.6	FC 5	66.1	FC12	64.3	FC 5	FC 5							
19586	MC 5	58.5	66.1	65.2	MC 5	MC12	FC 5	FC 5	65.0	FC 5	FC 5	57.2	FC 5	FC 5	FC12	FC 5	60.2	FC 5	FC 5	
19587	MC 5	57.4	MC 5	60.3	MC12	MC 5	MC 5	61.6	FC12	FC 5	57.8	FC 5	62.1	56.9	FC 5	FS				
19588	MC 5	MC 5	MC 5	51.8	MC12	52.2	55.8	MC 5	MC 5	MC 5	49.8	51.8	FC 5	46.6	FC12	FC 5				
19589	MC 5	69.9	67.0	72.4	MC12	FC 5	FC 5	FC 5	FC 5	62.1	55.9	FC12	56.3	FC 5	FC 5					
19592	62.4	66.0	MC 5	58.8	MC 5	MC 5	MC12	57.2	FC12	FC 5	55.1	FC 5	FC 5	FC 5	FC 5	64.1				
19596	MC12	MC 5	54.5	MC 5	57.0	MC 5	56.8	MC 5	53.4	FC 5	FC 5	52.6	52.1	FC 5	FC12					
19597	MC 5	MC 5	MC12	MC 5	MC 5	59.1	64.9	63.1	FC 5	FC 5	64.8	FC12	FC 5	59.1	57.9	FD 4				
19603	MC 5	60.3	57.9	60.7	MC 5	MC 5	MC12	FC 5	60.5	52.7	52.4	FC12	FC 5	FD 4						
19616	MC12	MC 5	57.7	56.8	58.5	MC 5	57.1	FC 5	54.8	FC 5	FC 5	FC 5	FC12	FC 5	FC 5	57.9				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 39): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV									.0 MG/KG/DAY							POSTPARTUM DAY 22			
19506	MC12	MC 5	MC 5	58.0	54.6	MC 5	52.2	MC 5	MC 5	51.1	48.0	FC 5	48.7	FC 5	FC 5	FC 5	FC 5	FC12		
19507	NOT PREGNANT																			
19517	NOT PREGNANT																			
19522	72.7	MC 5	MC 5	MC12	MC 5	66.3	MC 5	72.3	64.2	65.0	65.5	FC 5	FC 5	FC12	FC 5	FC 5	FC 5	FM 2		
19525	63.0	MC12	64.3	66.5	MC 5	FC 5	MD 4	59.8	FC 5	60.0	FC 5	FC 5	FC 5	63.0	FC 5	FC 5	FC12			
19537	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19544	MC12	62.1	63.4	MC 5	63.6	MC 5	MC 5	MD 2	FC 5	FC 5	61.4	FC 5	FC 5	60.6	60.0	FC12				
19545	MC 5	MC 5	MC 5	MC 5	MC12	56.3	MC 5	MC 5	58.5	MC 5	58.5	MC 5	51.4	FC12	51.2	56.3	FC 5			
19554	MC 5	MC 5	MC 5	MC12	61.5	56.2	63.2	MC 5	MC 5	FC 5	52.8	FC 5	FC 5	FC 5	FC12	FC 5	57.5	57.5		
19557	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	59.2	MC 5	59.6	56.5	FC12	FC 5	54.8	FC 5	52.3	FC 5	58.5		
19569	MC12	70.3	76.0	76.5	MC 5	MC 5	67.0	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	FC12	72.7	70.0	FC 5			
19573	49.6	MC 5	49.2	MC 5	44.3	MC 5	MC12	45.6	FC 5	44.3	FC12	50.1	FC 5							
19577	MC 5	MC 5	63.7	66.3	MC 5	MC 5	63.2	MC12	MC 5	FC12	FC 5	FC 5	FC 5	FC 5	53.8	FC 5	60.9	59.8		
19581	MC12	MC 5	MC 5	MC 5	58.9	48.3	MC 5	64.2	MC 5	FC 5	FC12	57.3	FC 5	FC 5	FC 5	47.7	56.4	FC 5	FC 5	
19583	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19598	MC 5	59.2	60.1	MC 5	MC 5	MC 5	MC12	58.2	MC 5	MC 5	FC 5	FC12	57.5	58.5	FC 5	53.2	FS	FS		
19600	MC 5	MC 5	68.4	71.7	MC 5	64.5	MC12	FC 5	66.4	FC12	FC 5	63.4	FC 5	62.7						
19604	68.9	68.8	67.9	MC12	MU	FC 5	67.3	67.7	FC12	FC 5	FC 5	FC 5	66.6	FC 5						
19606	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19607	MC 5	51.2	55.9	51.8	MC 5	MC 5	MC12	FC 5	52.6	50.6	46.4	FC12								
19612	MC 5	MC 5	MC 5	60.4	MC 5	MC12	52.0	MC 5	MC 5	56.7	MC 5	MC 5	FC 5	51.0	FC12	57.2	55.5			
19617	MC 5	68.8	MC 5	64.4	64.6	MC 5	MC12	MC 5	MC 5	FC12	FC 5	60.0	FC 5	61.5	56.9					
19618	MC 5	58.6	MC 5	MC12	54.7	53.8	FC12	FC 5	60.2	FC 5	FC 5	44.4	FC 5	49.1	FC 5	FM 3				
19622	60.1	MC 5	58.3	MC12	58.4	MC 5	MC 5	FC12	FC 5	56.4	55.3	FC 5	60.6							
19623	MC 5	MC 5	53.5	MC12	60.3	MC 5	57.2	MC 5	MC 5	FC 5	FC 5	58.8	FC 5	FC 5	56.5	FC 5	FC 5	54.4	FC12	

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B30 (PAGE 40): PUP BODY WEIGHTS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								10.0 MG/KG/DAY							POSTPARTUM DAY 22				
19502	63.2	MC 5	64.1	67.7	MC 5	MC12	FC 5	FC 5	FC 5	FC 5	FC 5	53.8	FC12	58.9	60.5					
19512	62.0	MC12	MC 5	65.7	MC 5	MC 5	65.8	66.4	FC 5	60.8	59.9	FC 5	FC12	FC 5						
19528	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19529	67.8	MC 5	67.5	MC12	67.9	FC 5	56.1	FC12	FC 5	61.4	FC 5	60.5	FD 4							
19532	MC12	MC 5	66.4	67.0	MC 5	64.2	FC 5	FC 5	FC 5	60.1	FC12	56.1	FC 5	FC 5	54.2	FC 5				
19540	MC 5	MC 5	MC 5	63.1	MC12	71.5	MC 5	MC 5	MC 5	65.6	72.6	FC 5	70.8	FC 5	FC 5	FC12	53.4	FD 1		
19541	66.2	MC 5	MC12	MC 5	60.8	67.7	67.9	FC 5	64.7	FC12	66.7	FC 5								
19543	54.2	55.2	MC 5	MC12	52.1	MC 5	MC 5	49.8	FC 5	FC12	51.1	49.6	FC 5	FC 5						
19546	MC 5	64.8	MC 5	62.5	MC12	66.2	MC 5	FC 5	FC 5	61.7	57.9	FC12	FC 5	57.2	FC 5	FC 5				
19548	NOT PREGNANT																			
19551	65.6	58.5	61.3	MC 5	MC12	MS	FC 5	55.1	FC 5	FC 5	59.8	FC12	FC 5	54.3						
19552	58.7	MC 5	61.0	58.8	MC 5	MC12	MC 5	MC 5	58.8	FC 5	59.0	FC 5	FC12	FC 5	61.3	FM 3				
19553	MC 5	60.5	MC 5	MC12	56.2	61.1	MC 5	MD 2	56.8	60.2	FC 5	FC 5	FC 5	FC 5	FC12	FC 5	51.3			
19559	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19560	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19564	60.3	62.8	MC 5	MC 5	MC12	MC 5	60.6	MC 5	57.7	60.4	FC 5	FC 5	FC12	FC 5	FC 5	60.0				
19570	MC 5	MC 5	MC 5	MC 5	MC12	71.2	MC 5	MC 5	76.6	MC 5	76.8	MC 5	MC 5	68.4	70.6	66.3	FC12			
19572	MC12	49.6	MC 5	MC 5	47.3	MC 5	52.7	MD 5	FC 5	47.3	45.2	FC 5	FC12	47.9	FD 2					
19574	MC 5	MC 5	MC 5	MC 5	MC12	MC 5	MC 5	53.9	56.9	51.9	FC 5	51.6	48.2	FC12	52.8	FC 5	FC 5			
19591	SACRIFICED ON DAY 10 OF LACTATION FOR THYROID EVALUATION																			
19595	MC 5	MC 5	MC 5	MC12	76.0	60.4	71.7	MC 5	MC 5	MC 5	67.4	FC 5	FC 5	FC12	67.0	FC 5	63.8	FD 1		
19601	63.1	MC12	MC 5	62.1	61.4	MM 2	FC 5	FC 5	61.6	FC12	FC 5	61.6	FC 5	FC 5	57.7	FC 5				
19613	MC 5	64.7	47.0	MC12	MC 5	64.4	MC 5	MC 5	MC 5	MC 5	MC 5	59.4	FC 5	55.0	FC12	55.0				
19620	MC12	60.9	MC 5	MC 5	61.3	MC 5	62.6	MC 5	MD 1	58.3	FC 5	FC12	55.3	55.4						
19624	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	60.8	62.5	59.9	FC12	FC 5	61.4	FC 5	62.5	FC 5	54.8	FD 3		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B31 (PAGE 1): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP I										0 (CARRIER) MG/KG/DAY												
19503	*FOUND DEAD ON DAY 22 OF GESTATION*																						
19505	MC	5	MC12		M	A	M	A	M	A	F	A	FC	5	FC12		F	A	F	A			
19508	MC	5	MC	5	M	A	MC12		MC	5	M	A	MC	5	M	A	MC	5	MC	5	M	S	FC12
19513	M	A	MC	5	MC12		MC	5	MC	5	M	A	M	A	F	A	F	A	FC12		F	A	
19519	MC	5	M	A	MC	5	MC	5	M	A	MC12		MC	5	M	A	MC	5	F	A	F	A	F
19520	M	A	M	A	MC12		M	A	MM	3	M	S	FC	5	F	A	F	A	FC12		FC	5	FC
19523	MC	5	MC	5	MC12		M	A	MC	5	M	A	M	A	M	S	FC	5	F	A	FC12		FC
19526	M	A	MC	5	M	A	MC	5	MC	5	MC	5	MC12		M	A	MC	5	F	A	FC	5	FC12
19530	M	A	M	A	MC	5	MC12		M	A	MC	5	MC	5	MD	3	FC	5	FC	5	FC	5	FC12
19549a	M	A	MC	5	MC	5	MC	5	M	A	MC	5	M	A	M	A	MC	5	FM	8	F	A	FC
19556	M	A	MC	5	M	A	MC12		MC	5	M	A	FC	5	FC	5	FC12		FC	5	FC	5	F
19558	M	A	MC	5	M	A	MC12		M	A	MC	5	MC	5	FC	5	F	A	F	A	FC	5	FC12
19561	M	A	MC	5	MC	5	MC	5	MC	5	MC	5	MC	5	M	A	MC12		M	A	F	A	FC12
19563b	MX	1	MX	1	MX	1	MX	1	MX	1	MX	1	MX	1	MS	1	FD	1	FX	1	FX	1	FX	1	FX	1	FX	1
19565	M	A	MC	5	M	A	M	A	MC12		F	A	F	A	FC	5	FC	5	FC	5	FC12		FC
19571	MC	5	M	A	MC12		M	A	MC	5	MC	5	M	A	FC	5	F	A	FC	5	FC	5	F
19580	M	A	MC12		MC	5	M	A	MC	5	MC	5	M	A	FC	5	F	A	FC	5	FC	5	FC
19582	M	A	MC12		M	A	M	A	MC	5	MC	5	F	A	F	A	FC12		FC	5	FC	5	FC
19585	MC	5	MC	5	M	A	MC	5	MC	5	MC	5	M	A	MC	5	MC12		M	A	FC	5	F
19608a	M	A	M	A	M	A	FC	5	F	A	F	A	F	A	F	A	F	A	FC	5	FC	5	FC
19610	M	A	M	A	MC	5	MC12		MC	5	M	A	F	A	FC	5	FC	5	FC	5	F	A	F
19611	MC12		M	A	M	A	M	A	FC	5	FC	5	FC12		F	A	FC	5	F	A	FC	5	FC
19614a	MC	5	M	A	M	A	M	A	MC	5	M	A	MC	5	M	A	M	A	MC	5	MC	5	MC
19621	M	A	MC	5	MC	5	M	A	MC12		MC	5	M	A	F	A	FC	5	F	A	F	A	FC12
19625	M	A	M	A	MC12		M	A	FC	5	FC	5	FC	5	F	A	F	A	FC12		F	A	FC

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED), X-SACRIFICED
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.
b. Dam 19563 was moribund sacrificed on day 1 of lactation.

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TABLE B31 (PAGE 2): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY														
19501	MC12	M	A	MC	5	MC	5	MC	5	MC	5	MC	5	MC	5	M	A	M	A	F	A	FC	5	FC12	F	A	F	A	FM	5	FD	5
19511	M	A	M	A	MC	5	MC	5	M	A	MC12	MC	5	MC	5	FC	5	FC	5	FC12	FC	5	F	A	F	A	F	A	F	S		
19514	M	A	M	A	M	A	MC12	MC	5	FC12	FC	5	FC	5	F	A	FC	5	FD17	F	A	FC	5									
19515	NOT PREGNANT																						
19516	NOT PREGNANT																						
19524a	M	A	F	A	F	A	F	A	F	A	F	A											
19527a	M	A	M	A	M	A	MC	5	MC	5	M	A	FC	5	FD	6	F	A	FC	5	FC	5	FC	5	F	A	F	A	FC	5	FC	5
19531	MC	5	MC	5	M	A	M	A	MC	5	MC12	M	A	MD	4	FC	5	F	A	FC12	FC	5	FC	5	FC	5	F	A	FC	5	F	A
19533	MC	5	MC	5	M	A	M	A	MC12	MC	5	M	A	FC	5	F	A	FC	5	F	A	FC12	FC	5	F	A	FC	5				
19534	M	A	M	A	M	A	MC12	FC	5	FC	5	FC	5	F	A	FC	5	F	A	FC12	FC	5	FC	5	F	A						
19536	M	A	M	A	M	A	FC	5	F	A	FC	5	FC	5	FC	5	F	A	FC	5	FC12	F	A	FD16								
19542a	M	A	MC	5	M	A	MC	5	M	A	MC	5	M	A	MC	5	M	A	M	A	MC	5	MC	5	F	A	F	A	FD	1		
19562	MC	5	M	A	MC	5	M	A	M	A	MC12	MC	5	FC	5	F	A	F	A	FC12	FC	5	F	A	FC	5						
19566	MC	5	MC	5	M	A	MC	5	MC12	M	A	M	A	MD	4	F	A	FC	5	FC	5	F	A	FC12	F	A	FC	5	FC	5		
19575	MC	5	M	A	M	A	MC	5	MC	5	MC	5	MC12	M	A	F	A	FC	5	FC	5	F	A	FC	5	FC12	F	A	FC	5		
19576	MC	5	M	A	M	A	M	A	MC	5	MC12	MC	5	MC	5	MC	5	MC	5	MC	5	F	A	F	A	FC12	F	A				
19590	M	A	MC	5	MC	5	MC	5	M	A	MC12	M	A	MC	5	FC	5	F	A	FC	5	FC12	FC	5	F	A	F	A				
19593	MC	5	MC	5	MC	5	M	A	M	A	M	A	MC12	MC	5	M	S	M	S	F	A	FC12	F	A	FC	5	FC	5	FC	5	F	A
19594	M	A	M	A	M	A	MC	5	MC12	F	A	F	A	F	A	FC12	FC	5														
19599	M	A	MC12	M	A	MM17	MC	5	F	A	FC12	FC	5	F	A	FC	5	F	A													
19602	M	A	M	A	MC	5	MC	5	M	A	MC12	FC12	F	A	FC	5	FC	5	FC	5	FC	5	FC	5	FC	5	F	A	F	A		
19605	MC	5	MC	5	M	A	MC	5	M	A	MC	5	MC12	MC	5	M	A	F	A	F	A	FC12	FC	5	F	A	FC	5				
19609	MC	5	MC	5	MC	5	MC	5	M	A	MC	5	MC12	M	A	MC	5	MC	5	MC	5	M	A	F	A	FC12	FC	5	F	A	F	A
19615	MC	5	MC	5	MC	5	M	A	M	A	MC	5	MC12	MC	5	M	A	F	A	FC	5	F	A	F	A	FC12						
19619	M	A	M	A	MD	7	MC	5	MC	5	MC	5	MC	5	MC	5	M	A	MD	5	M	S	F	A	FC12	F	A	FC	5	F	A	FD	3

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED), X-OTHER
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TABLE B31 (PAGE 3): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP III										1.0 MG/KG/DAY												
19504	M	A	MC12	MC	5	M	A	M	A	MC	5	FC12	FC	5	FC	5	F	A	F	A	FC	5	F	A	FC	5	F	S	
19509	NOT PREGNANT																						
19510	NOT PREGNANT																						
19518	NOT PREGNANT																						
19521	M	A	MC12	M	A	M	A	MC	5	MC	5	MC	5	FC	5	FC12	F	A	F	A	F	A	FC	5					
19535	M	A	M	A	M	A	MD	2	FC	5	F	A	FC	5	FC	5	FC	5	FC	5	FD16	F	A	FC12	F	A	FC	5	FC	5
19538a	M	A	M	A	M	A	F	A	FC	5	F	A	FC	5	FC	5	FC	5	FC	5	FC	5	FC	5	F	A	F	A	F	A	FC	5
19539	MC12	M	A	MC	5	M	A	M	A	FC	5	FC	5	FC	5	F	A	FC	5	FC	5	F	A	FC12	F	A					
19547	M	A	MC	5	M	A	MC	5	MC	5	MC	5	M	A	MC	5	MC	5	MC12	MC	5	F	A	F	A	F	A	FC12	FC	5
19550	FOUND DEAD ON DAY 22 OF GESTATION																						
19555	MC	5	MC	5	M	A	M	A	M	A	MC	5	MC12	F	A	FC	5	FC	5	FC12	F	A	FC	5	F	A	FC	5	FM	5	F	S
19567	M	A	MC	5	M	A	MC	5	MC	5	MC	5	M	A	MC	5	MC	5	MC12	F	A	F	A	F	A	FC12	FC	5	FC	5	FC	5
19568	MC	5	MC	5	MC12	M	A	M	A	M	A	F	A	FC	5	F	A	FC12	F	A	FC	5	FC	5	FD	1					
19578	MC	5	MC	5	M	A	M	A	MC	5	M	A	MC12	MC	5	F	A	F	A	FC12	FC	5	F	A	FC	5	FC	5			
19579	M	A	MC	5	M	A	MC	5	MC12	MC	5	M	A	M	S	FC12	F	A	FC	5	FC	5	FC	5	F	A	F	A	FD	1	F	S
19584	MC	5	MC	5	MC12	M	A	M	A	M	A	F	A	FC	5	F	A	FC12	F	A	FC	5	FC	5							
19586	MC	5	M	A	M	A	M	A	MC	5	MC12	FC	5	FC	5	F	A	FC	5	FC	5	F	A	FC	5	FC12	FC	5	F	A	FC	5	FC	5
19587	MC	5	M	A	MC	5	M	A	MC12	MC	5	MC	5	M	A	FC12	FC	5	F	A	FC	5	F	A	F	A	FC	5	F	S		
19588	MC	5	MC	5	MC	5	M	A	MC12	M	A	M	A	MC	5	MC	5	MC	5	F	A	F	A	FC	5	F	A	FC12	FC	5		
19589	MC	5	M	A	M	A	M	A	MC12	FC	5	FC	5	FC	5	FC	5	F	A	F	A	FC12	F	A	FC	5	FC	5				
19592	M	A	M	A	MC	5	M	A	MC	5	MC	5	MC12	F	A	FC12	FC	5	F	A	FC	5	FC	5	FC	5	FC	5	F	A		
19596	MC12	MC	5	M	A	MC	5	M	A	MC	5	M	A	MC	5	F	A	FC	5	FC	5	F	A	F	A	FC	5	FC12				
19597	MC	5	MC	5	MC12	MC	5	MC	5	M	A	M	A	M	A	FC	5	FC	5	F	A	FC12	FC	5	F	A	F	A	FD	4		
19603	MC	5	M	A	M	A	M	A	MC	5	MC	5	MC12	FC	5	F	A	F	A	F	A	FC12	FC	5	FD	4						
19616	MC12	MC	5	M	A	M	A	M	A	MC	5	F	A	FC	5	F	A	FC	5	FC	5	FC	5	FC12	FC	5	FC	5	F	A		

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TABLE B31 (PAGE 4): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV								3.0 MG/KG/DAY														
19506	MC12	MC 5	MC 5	M A	M A	MC 5	M A	MC 5	MC 5	F A	F A	FC 5	F A	FC 5	FC 5	FC 5	FC 5	FC12					
19507	NOT PREGNANT																						
19517	NOT PREGNANT																						
19522	M A	MC 5	MC 5	MC12	MC 5	M A	MC 5	M A	F A	F A	F A	FC 5	FC 5	FC12	FC 5	FC 5	FC 5	FM 2					
19525	M A	MC12	M A	M A	MC 5	FC 5	MD 4	F A	FC 5	F A	FC 5	FC 5	FC 5	F A	FC 5	FC 5	FC12						
19537a	MC 5	MC 5	M A	MC 5	MC 5	M A	MC 5	MC 5	MC 5	M A	M A	M A	MD 1	F A	F A	F A							
19544	MC12	M A	M A	MC 5	M A	MC 5	MC 5	MD 2	FC 5	FC 5	F A	FC 5	FC 5	F A	F A	FC12							
19545	MC 5	MC 5	MC 5	MC 5	MC12	M A	MC 5	MC 5	M A	MC 5	M A	MC 5	F A	FC12	F A	F A	FC 5						
19554	MC 5	MC 5	MC 5	MC12	M A	M A	M A	MC 5	MC 5	FC 5	F A	FC 5	FC 5	FC 5	FC12	FC 5	F A	F A					
19557	MC12	MC 5	MC 5	MC 5	MC 5	MC 5	MC 5	M A	MC 5	M A	M A	FC12	FC 5	F A	FC 5	F A	FC 5	F A					
19569	MC12	M A	M A	M A	M A	MC 5	MC 5	F A	FC 5	FC 5	FC 5	FC 5	FC 5	FC 5	FC12	F A	F A	FC 5					
19573	M A	MC 5	M A	MC 5	M A	MC 5	MC12	F A	FC 5	F A	FC12	F A	FC 5										
19577	MC 5	MC 5	M A	M A	MC 5	MC 5	M A	MC12	MC 5	FC12	FC 5	FC 5	FC 5	FC 5	F A	FC 5	F A	F A					
19581	MC12	MC 5	MC 5	MC 5	M A	M A	MC 5	M A	MC 5	FC 5	FC12	F A	FC 5	FC 5	FC 5	F A	F A	FC 5	FC 5				
19583a	M A	M A	M A	M A	M U	M U	M U	F A	F A	F A	FM 3	FD 1	F S	F S	F U	F U	U U	U U					
19598	MC 5	M A	M A	MC 5	MC 5	MC 5	MC12	M A	MC 5	MC 5	FC 5	FC12	F A	F A	FC 5	F A	F S	F S					
19600	MC 5	MC 5	M A	M A	MC 5	M A	MC12	FC 5	F A	FC12	FC 5	F A	FC 5	F A									
19604	M A	M A	M A	MC12	M U	FC 5	F A	F A	FC12	FC 5	FC 5	FC 5	F A	FC 5									
19606a	M A	M A	M A	M A	M A	F A	F A	F A															
19607	MC 5	M A	M A	M A	MC 5	MC 5	MC12	FC 5	F A	F A	F A	FC12											
19612	MC 5	MC 5	MC 5	M A	MC 5	MC12	M A	MC 5	MC 5	M A	MC 5	MC 5	FC 5	F A	FC12	F A	F A						
19617	MC 5	M A	MC 5	M A	M A	MC 5	MC12	MC 5	MC 5	FC12	FC 5	F A	FC 5	F A	F A								
19618	MC 5	M A	MC 5	MC12	M A	M A	FC12	FC 5	F A	FC 5	FC 5	F A	FC 5	F A	FC 5	FM 3							
19622	M A	MC 5	M A	MC12	M A	MC 5	MC 5	FC12	FC 5	F A	F A	FC 5	F A										
19623	MC 5	MC 5	M A	MC12	M A	MC 5	M A	MC 5	MC 5	FC 5	FC 5	F A	FC 5	FC 5	F A	FC 5	FC 5	F A	FC12				

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TABLE B31 (PAGE 5): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP V										10.0 MG/KG/DAY												
19502	M	A	MC	5	M	A	M	A	MC	5	MC12	FC	5	FC	5	FC	5	FC	5	F	A	FC12	F A F A
19512	M	A	MC12	MC	5	M	A	MC	5	MC	5	M	A	F	A	FC	5	F	A	F	A	FC	5 FC12 FC 5
19528a	M	A	M	A	M	A	MC	5	M	A	MC	5	M	A	MC	5	F	A	F	A	F	A	
19529	M	A	MC	5	M	A	MC12		M	A	FC	5	F	A	FC12	FC	5	F	A	FC	5	F	A FD 4
19532	MC12	MC	5	M	A	M	A	MC	5	M	A	FC	5	FC	5	FC	5	F	A	FC12		F	A FC 5 FC 5 F A FC 5
19540	MC	5	MC	5	MC	5	M	A	MC12		M	A	MC	5	MC	5	MC	5	M	A	F	A	FC 5 F A FC 5 FC 5 FC12 F A FD 1
19541	M	A	MC	5	MC12	MC	5	M	A	M	A	F	A	FC	5	F	A	FC12		F	A	FC	5
19543	M	A	M	A	MC	5	MC12		M	A	MC	5	MC	5	F	A	FC	5	FC12		F	A	FC 5 FC 5
19546	MC	5	M	A	MC	5	M	A	MC12		M	A	MC	5	FC	5	FC	5	F	A	F	A	FC12 FC 5 F A FC 5 FC 5
19548	NOT PREGNANT																						
19551	M	A	M	A	M	A	MC	5	MC12		M	S	FC	5	F	A	FC	5	FC	5	F	A	FC12 FC 5 F A
19552	M	A	MC	5	M	A	M	A	MC	5	MC12		MC	5	MC	5	F	A	FC	5	F	A	FC 5 FC12 FC 5 F A FM 3
19553	MC	5	M	A	MC	5	MC12		M	A	M	A	MC	5	MD	2	F	A	F	A	FC	5	FC 5 FC 5 FC 5 FC12 FC 5 F A
19559a	F	A	F	A	F	A	F	S															
19560a	MC	5	MC	5	M	A	M	A	M	A	M	A	F	S	F	A	F	A	FC	5	F	A	FC 5 F A
19564	M	A	M	A	MC	5	MC	5	MC12		MC	5	M	A	MC	5	F	A	F	A	FC	5	FC 5 FC12 FC 5 FC 5 F A
19570	MC	5	MC	5	MC	5	MC	5	MC12		M	A	MC	5	MC	5	M	A	MC	5	M	A	MC 5 MC 5 F A F A F A FC12
19572	MC12		M	A	MC	5	MC	5	M	A	MC	5	M	A	MD	5	FC	5	F	A	F	A	FC 5 FC12 F A FD 2
19574	MC	5	MC	5	MC	5	MC	5	MC12		MC	5	MC	5	M	A	M	A	M	A	FC	5	F A F A FC12 F A FC 5 FC 5
19591a	M	A	M	A	MD	9	FC	5	F	A	F	A	F	A	FC	5	FC	5	FC	5	F	A	
19595	MC	5	MC	5	MC	5	MC12		M	A	M	A	M	A	MC	5	MC	5	MC	5	F	A	FC 5 FC 5 FC12 F A FC 5 F A FD 1
19601	M	A	MC12	MC	5	M	A	M	A	MM	2	FC	5	FC	5	F	A	FC12		FC	5	F	A FC 5 FC 5 F A FC 5
19613	MC	5	M	A	M	A	MC12		MC	5	M	A	MC	5	MC	5	MC	5	MC	5	MC	5	F A FC 5 F A FC12 F A
19620	MC12		M	A	MC	5	MC	5	M	A	MC	5	M	A	MC	5	MD	1	F	A	FC	5	FC12 F A F A
19624	MC12	MC	5	MC	5	MC	5	MC	5	MC	5	MC	5	M	A	M	A	M	A	FC12		FC	5 F A FC 5 F A FC 5 F A FD 3

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED), X-OTHER
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Dam was sacrificed on day 10 of lactation for thyroid evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B32 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 22 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSE GROUP MATERNAL DOSE (MG/KG/DAY)	LITTER NUMBER	DAY(S) OF POSTPARTUM	OBSERVATIONS a
I 0 (CARRIER)	19519	1	1/14 PUPS: COLD TO TOUCH. NOT PROPERLY GROOMED.
II 0.1	19615	8-11	1/ 8 PUPS: UMBILICAL HERNIA.
	19619	2-3	1/16 PUPS: RIGHT SIDE OF BACK, LESION (0.2 CM X 0.8 CM) b
		9-12	1/ 7 PUPS: RIGHT HINDLIMB, SWOLLEN.
		14-22	1/ 6 PUPS: BACK, SUBCUTANEOUS ABSCESSES (DID NOT EXCEED 0.5 CM IN DIAMETER).
III 1.0	19504	1	14/15 PUPS: COLD TO TOUCH. NOT PROPERLY GROOMED. AMNIOTIC SAC, PLACENTA AND UMBILICAL CORD NOT REMOVED. NESTING AND NURSING ACTIVITY NOT NORMAL.
	19555	1	16/17 PUPS: COLD TO TOUCH. NOT PROPERLY GROOMED. AMNIOTIC SAC, PLACENTA AND UMBILICAL CORD NOT REMOVED. NESTING AND NURSING ACTIVITY NOT NORMAL.
IV 3.0	19554	5	1/18 PUPS: UMBILICAL HERNIA.
V 10.0	19546	3-5	1/16 PUPS: LEFT FORELIMB, LESION (0.1 CM X 0.5 CM).
	19601	3-5	1/15 PUPS: TIP OF TAIL, BLACK. b

a. Tabulation restricted to adverse observations; all other pups appeared normal.
b. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B33 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
I 0 (CARRIER)	19503	DG 22	P	22	FOUND DEAD ON DAY 22 OF GESTATION. ALL TISSUES APPEARED NORMAL. UTERINE CONTENTS: 15 IMPLANTATION SITES (3 DELIVERED PUPS AND 12 FETUSES).
	19505	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19508	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19513	DL 22	P	34	ALL TISSUES APPEARED NORMAL.
	19519	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19520	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19523	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19526	DL 22	P	32	DIAPHRAGM: RIGHT LATERAL AND MEDIAN LOBES OF LIVER, PROTRUDED. ALL OTHER TISSUES APPEARED NORMAL.
	19530	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19549	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19556	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19558	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19561	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19563	DL 1	P	23	MORIBUND SACRIFICED ON DAY 1 OF LACTATION. UTERUS: PORTION OF LEFT HORN, PROLAPSED. ALL OTHER TISSUES APPEARED NORMAL. UTERINE CONTENTS: 17 IMPLANTATION SITES (15 DELIVERED PUPS AND 1 DEAD FETUS).

P = PREGNANT
DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B33 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
I (Cont.)					
0 (CARRIER)	19565	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19571	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19580	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19582	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19585	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19608	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19610	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19611	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19614	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19621	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19625	DL 22	P	32	ALL TISSUES APPEARED NORMAL.

P = PREGNANT
DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B33 (PAGE 3): *NECROPSY OBSERVATIONS* - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
II					
0.1	19501	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19511	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19514	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19515	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19516	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19524	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19527	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19531	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19533	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19534	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19536	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19542	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19562	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19566	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19575	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19576	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19590	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19593	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19594	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19599	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19602	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19605	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19609	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19615	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19619	DL 22	P	32	ALL TISSUES APPEARED NORMAL.

P = PREGNANT NP = NOT PREGNANT
DL = DAY OF LACTATION DG = DAY OF PRESUMED GESTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B33 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
III					
1.0	19504	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19509	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19510	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19518	DG 31	NP	32	UTERUS: HYDROMETRA, MODERATE. ALL OTHER TISSUES APPEARED NORMAL.
	19521	DL 22	P	32	LIVER: LARGE (30.67 G); MOTTLED, TAN TO RED. ALL OTHER TISSUES APPEARED NORMAL.
	19535	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19538	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19539	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19547	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19550	DG 22	P	23	FOUND DEAD ON DAY 22 OF GESTATION. STOMACH: DISTENDED WITH GAS. CECUM: DISTENDED WITH GAS. ALL OTHER TISSUES APPEARED NORMAL. UTERINE CONTENTS: 15 IMPLANTATION SITES (7 DELIVERED PUPS AND 8 DEAD FETUSES).

P = PREGNANT NP = NOT PREGNANT
DL = DAY OF LACTATION DG = DAY OF PRESUMED GESTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B33 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
III (Cont.)					
1.0	19555	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19567	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19568	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19578	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19579	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19584	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19586	DG 22	P	32	ALL TISSUES APPEARED NORMAL.
	19587	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19588	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19589	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19592	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19596	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19597	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19603	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19616	DL 22	P	32	ALL TISSUES APPEARED NORMAL.

P = PREGNANT NP = NOT PREGNANT
DL = DAY OF LACTATION DG = DAY OF PRESUMED GESTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE B33 (PAGE 6): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
IV					
3.0	19506	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19507	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19517	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19522	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19525	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19537	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19544	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19545	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19554	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19557	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19569	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19573	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19577	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19581	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19583	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19598	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19600	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19604	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19606	DL 10	P	33	ALL TISSUES APPEARED NORMAL.
	19607	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19612	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19617	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19618	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19622	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19623	DL 22	P	32	ALL TISSUES APPEARED NORMAL.

P = PREGNANT NP = NOT PREGNANT
DL = DAY OF LACTATION DG = DAY OF PRESUMED GESTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B33 (PAGE 7): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DAYS WITH ACCESS TO TEST ARTICLE	OBSERVATIONS a
V					
10.0	19502	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19512	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19528	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19529	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19532	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19540	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19541	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19543	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19546	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19548	DG 31	NP	32	ALL TISSUES APPEARED NORMAL.
	19551	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19552	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19553	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19559	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19560	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19564	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19570	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19572	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19574	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19591	DL 10	P	32	ALL TISSUES APPEARED NORMAL.
	19595	DL 22	P	33	ALL TISSUES APPEARED NORMAL.
	19601	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19613	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19620	DL 22	P	32	ALL TISSUES APPEARED NORMAL.
	19624	DL 22	P	32	ALL TISSUES APPEARED NORMAL.

P = PREGNANT NP = NOT PREGNANT
DL = DAY OF LACTATION DG = DAY OF PRESUMED GESTATION
a. Refer to the individual clinical observations table (Table B21) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B34 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS(%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
19503b	457.	0.020	4.38
19505	347.	0.030	8.64
19508	288.	0.026	9.03
19513	318.	0.028	8.80
19519	323.	0.026	8.05
19520	368.	0.032	8.70
19523	338.	0.030	8.88
19526	321.	0.038	11.84
19530	379.	0.030	7.92
19549c	305.	0.027	8.85
19556	346.	0.034	9.83
19558	300.	0.030	10.00
19561	346.	0.024	6.94
19563d	342.	0.026	7.60
19565	333.	0.023	6.91
19571	315.	0.030	9.52
19580	326.	0.036	11.04
19582	306.	0.034	11.11
19585	329.	0.035	10.64
19608c	312.	0.028	8.97
19610	314.	0.025	7.96
19611	321.	0.032	9.97
19614c	274.	0.024	8.76
19621	337.	0.026	7.72
19625	316.	0.027	8.54

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Dam 19503 was found dead on day 22 of gestation; values excluded from group averages and statistical analyses.
c. Dam was sacrificed on day 10 of lactation for thyroid evaluation; values excluded from group averages and statistical analyses.
d. Dam 19563 was moribund sacrificed on day 1 of lactation; values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B34 (PAGE 2): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS(%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
DOSAGE GROUP II		0.1 MG/KG/DAY	
19501	310.	0.026	8.39
19511	332.	0.031	9.34
19514	336.	0.030	8.93
19515 NP	310.	0.024	7.74
19516 NP	353.	0.032	9.06
19524b	363.	0.032	8.82
19527b	345.	0.025	7.25
19531	324.	0.030	9.26
19533	327.	0.035	10.70
19534	362.	0.029	8.01
19536	316.	0.028	8.86
19542b	338.	0.025	7.40
19562	334.	0.031	9.28
19566	362.	0.030	8.29
19575	329.	0.028	8.51
19576	308.	0.026	8.44
19590	344.	0.026	7.56
19593	339.	0.024	7.08
19594	324.	0.027	8.33
19599	303.	0.030	9.90
19602	342.	0.031	9.06
19605	322.	0.023	7.14
19609	336.	0.025	7.44
19615	318.	0.026	8.18
19619	342.	0.029	8.48

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
a. Value was multiplied by 1000.
b. Dam was sacrificed on day 10 of lactation for thyroid evaluation; values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE B34 (PAGE 3): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS(%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
DOSAGE GROUP III		1.0 MG/KG/DAY	
19504	316.	0.028	8.86
19509 NP	346.	0.030	8.67
19510 NP	286.	0.031	10.84
19518 NP	272.	0.030	11.03
19521	400.	0.027	6.75
19535	374.	0.028	7.49
19538b	341.	0.026	7.62
19539	322.	0.031	9.63
19547	335.	0.026	7.76
19550c	---	0.030	----
19555	328.	0.032	9.76
19567	343.	0.033	9.62
19568	326.	0.033	10.12
19578	355.	0.033	9.30
19579	377.	0.037	9.81
19584	328.	0.025	7.62
19586	363.	0.031	8.54
19587	335.	0.022	6.57
19588	334.	0.029	8.68
19589	310.	0.028	9.03
19592	337.	0.024	7.12
19596	326.	0.030	9.20
19597	317.	0.028	8.83
19603	330.	0.035	10.61
19616	317.	0.028	8.83

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
a. Value was multiplied by 1000.
b. Dam was sacrificed on day 10 of lactation for thyroid evaluation; values excluded from group averages and statistical analyses.
c. Dam 19550 was found dead on day 22 of gestation; values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B34 (PAGE 4): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS(%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
DOSAGE GROUP IV		3.0 MG/KG/DAY	
19506	360.	0.031	8.61
19507 NP	319.	0.029	9.09
19517 NP	277.	0.027	9.75
19522	350.	0.033	9.43
19525	311.	0.032	10.29
19537b	363.	0.030	8.26
19544	371.	0.027	7.28
19545	338.	0.028	8.28
19554	327.	0.029	8.87
19557	339.	0.032	9.44
19569	375.	0.032	8.53
19573	316.	0.030	9.49
19577	364.	0.034	9.34
19581	331.	0.027	8.16
19583b	332.	0.030	9.04
19598	323.	0.028	8.67
19600	332.	0.028	8.43
19604	339.	0.030	8.85
19606b	330.	0.028	8.48
19607	262.	0.032	12.21
19612	313.	0.022	7.03
19617	330.	0.032	9.70
19618	322.	0.023	7.14
19622	330.	0.027	8.18
19623	313.	0.033	10.54

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
a. Value was multiplied by 1000.
b. Dam was sacrificed on day 10 of lactation for thyroid evaluation; values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B34 (PAGE 5): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS(%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
DOSAGE GROUP V		10.0 MG/KG/DAY	
19502	356.	0.033	9.27
19512	327.	0.026	7.95
19528b	309.	0.025	8.09
19529	330.	0.029	8.79
19532	316.	0.027	8.54
19540	353.	0.033	9.35
19541	334.	0.033	9.88
19543	324.	0.028	8.64
19546	353.	0.024	6.80
19548 NP	284.	0.030	10.56
19551	348.	0.027	7.76
19552	334.	0.037	11.08
19553	342.	0.029	8.48
19559b	308.	0.024	7.79
19560b	344.	0.030	8.72
19564	337.	0.036	10.68
19570	355.	0.033	9.30
19572	316.	0.034	10.76
19574	348.	0.030	8.62
19591b	303.	0.030	9.90
19595	359.	0.039	10.86
19601	342.	0.031	9.06
19613	308.	0.023	7.47
19620	331.	0.046	13.90
19624	325.	0.031	9.54

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
a. Value was multiplied by 1000.
b. Dam was sacrificed on day 10 of lactation for thyroid evaluation; values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
I 0 (CARRIER)	19505	5	ALL PUPS APPEARED NORMAL.
	19508	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19513	5	ALL PUPS APPEARED NORMAL.
	19519	5	ALL PUPS APPEARED NORMAL.
	19520	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19523	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19526	5	ALL PUPS APPEARED NORMAL.
	19530	3	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19549	5,10	ALL PUPS APPEARED NORMAL.
	19556	5	ALL PUPS APPEARED NORMAL.
	19558	5	ALL PUPS APPEARED NORMAL.
	19561	5	ALL PUPS APPEARED NORMAL.
	19563b	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL. 1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL. 14 PUPS: ALL PUPS APPEARED NORMAL.
	19565	5	ALL PUPS APPEARED NORMAL.
	19571	5	ALL PUPS APPEARED NORMAL.
	19580	5	ALL PUPS APPEARED NORMAL.
	19582	5	ALL PUPS APPEARED NORMAL.
	19585	5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.
b. Dam moribund sacrificed on day 1 of lactation, all pups sacrificed.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
I (Cont.)			
0 (CARRIER)	19608	5,10	ALL PUPS APPEARED NORMAL.
	19610	5	ALL PUPS APPEARED NORMAL.
	19611	5	ALL PUPS APPEARED NORMAL.
	19614	5,10	ALL PUPS APPEARED NORMAL.
	19621	5	ALL PUPS APPEARED NORMAL.
	19625	2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
II 0.1	19501	5	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE (MODERATE) OF AUTOLYSIS. ALL PUPS APPEARED NORMAL.
	19511	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19514	5	ALL PUPS APPEARED NORMAL.
	19524	10	ALL PUPS APPEARED NORMAL.
	19527	5	ALL PUPS APPEARED NORMAL.
		6	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		10	ALL PUPS APPEARED NORMAL.
	19531	4	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19533	5	ALL PUPS APPEARED NORMAL.
	19534	5	ALL PUPS APPEARED NORMAL.
	19536	5	ALL PUPS APPEARED NORMAL.
	19542	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	6 PUPS: THYROID, APPEARED CONGESTED. ALL OTHER TISSUES APPEARED NORMAL.
		10	ALL PUPS APPEARED NORMAL.
	19562	5	ALL PUPS APPEARED NORMAL.
	19566	4	1 PUP: FOUND DEAD.
		5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
II (Cont.)			
0.1	19575	5	ALL PUPS APPEARED NORMAL.
	19576	5	ALL PUPS APPEARED NORMAL.
	19590	5	ALL PUPS APPEARED NORMAL.
	19593	1	1 PUP: STILLBORN.
		5	ALL PUPS APPEARED NORMAL.
	19594	5	ALL PUPS APPEARED NORMAL.
	19599	5	ALL PUPS APPEARED NORMAL.
	19602	5	ALL PUPS APPEARED NORMAL.
	19605	5	ALL PUPS APPEARED NORMAL.
	19609	5	ALL PUPS APPEARED NORMAL.
	19615	5	ALL PUPS APPEARED NORMAL.
	19619	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		3	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS. ALL PUPS APPEARED NORMAL.
		7	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
III			
1.0	19504	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19521	5	ALL PUPS APPEARED NORMAL.
	19535	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		2	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19538	5,10	ALL PUPS APPEARED NORMAL.
	19539	5	ALL PUPS APPEARED NORMAL.
	19547	5	ALL PUPS APPEARED NORMAL.
	19555	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19567	5	ALL PUPS APPEARED NORMAL.
	19568	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19578	5	ALL PUPS APPEARED NORMAL.
	19579	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
			1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 6): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
III (Cont.)			
1.0	19584	5	ALL PUPS APPEARED NORMAL.
	19586	5	ALL PUPS APPEARED NORMAL.
	19587	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19588	5	ALL PUPS APPEARED NORMAL.
	19589	5	ALL PUPS APPEARED NORMAL.
	19592	5	ALL PUPS APPEARED NORMAL.
	19596	5	ALL PUPS APPEARED NORMAL.
	19597	4	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19603	4	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL TISSUES APPEARED NORMAL.
	19616	5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

TABLE B35 (PAGE 7): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS.a
IV 3.0	19506	5	ALL PUPS APPEARED NORMAL.
	19522	5	ALL PUPS APPEARED NORMAL.
	19525	4	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19537	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5,10	ALL PUPS APPEARED NORMAL.
	19544	2	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19545	5	ALL PUPS APPEARED NORMAL.
	19554	5	ALL PUPS APPEARED NORMAL.
	19557	5	ALL PUPS APPEARED NORMAL.
	19569	5	ALL PUPS APPEARED NORMAL.
	19573	5	ALL PUPS APPEARED NORMAL.
	19577	5	ALL PUPS APPEARED NORMAL.
	19581	5	ALL PUPS APPEARED NORMAL.
	19583	1	2 PUPS: STILLBORN. 7 PUPS: FOUND DEAD. 1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		10	ALL PUPS APPEARED NORMAL.
	19598	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19600	5	ALL PUPS APPEARED NORMAL.
	19604	5	ALL PUPS APPEARED NORMAL.
	19606	10	ALL PUPS APPEARED NORMAL.
	19607	5	ALL PUPS APPEARED NORMAL.
	19612	5	ALL PUPS APPEARED NORMAL.
	19617	5	ALL PUPS APPEARED NORMAL.
	19618	5	ALL PUPS APPEARED NORMAL.
	19622	5	ALL PUPS APPEARED NORMAL.
	19623	5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 8): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
V 10.0	19502	5	ALL PUPS APPEARED NORMAL.
	19512	5	ALL PUPS APPEARED NORMAL.
	19528	5,10	ALL PUPS APPEARED NORMAL.
	19529	4	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19532	5	ALL PUPS APPEARED NORMAL.
	19540	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19541	5	ALL PUPS APPEARED NORMAL.
	19543	5	ALL PUPS APPEARED NORMAL.
	19546	5	ALL PUPS APPEARED NORMAL.
	19551	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19552	5	ALL PUPS APPEARED NORMAL.
	19553	2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19559	1	1 PUP: STILLBORN. KIDNEYS, LEFT KIDNEY FUSED WITH RIGHT KIDNEY. ALL OTHER TISSUES APPEARED NORMAL.
		10	ALL PUPS APPEARED NORMAL.
	19560	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5,10	ALL PUPS APPEARED NORMAL.
	19564	5	ALL PUPS APPEARED NORMAL.
	19570	5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE B35 (PAGE 9): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
V (Cont.)			
10.0	19572	2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL. ALL PUPS APPEARED NORMAL.
	19574	5	ALL PUPS APPEARED NORMAL.
	19591	5	ALL PUPS APPEARED NORMAL.
		9	1 PUP: FOUND DEAD. RIGHT VENTRAL THORAX, PUNCTURE (0.1 CM IN DIAMETER). ALL OTHER TISSUES APPEARED NORMAL.
		10	ALL PUPS APPEARED NORMAL.
	19595	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	ALL PUPS APPEARED NORMAL.
	19601	5	ALL PUPS APPEARED NORMAL.
	19613	5	ALL PUPS APPEARED NORMAL.
	19620	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.
	19624	3	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL FOR DEGREE OF AUTOLYSIS.
		5	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table B32) for external clinical observations present at necropsy.

APPENDIX C

REPORT TABLES - F1 GENERATION RATS

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP	I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)	0 (CARRIER)	0.1	1.0	3.0	10.0
MAXIMUM POSSIBLE INCIDENCE	3874/ 60	3814/ 60	3863/ 60	3874/ 60	3850/60
FOUND DEAD	0	1a	0	0	1b
CHROMORHINORRHEA	9/ 5	48/ 8	7/ 4	17/ 5	14/ 8
CHROMODACRYORRHEA	40/ 4	58/ 7	25/ 5	47/ 5	57/ 7
INCISORS: TOTAL	54/ 5	82/ 5	52/ 6	56/ 5	108/ 6
MISALIGNED	44/ 4	82/ 5	41/ 3	55/ 4	97/ 5
MISSING/BROKEN	35/ 4	6/ 1	20/ 4	9/ 2	25/ 3
LOCALIZED ALOPECIA: TOTAL	0/ 0	4/ 2	20/ 2	20/ 1	21/ 2
LIMBS	0/ 0	4/ 2	1/ 1	20/ 1	21/ 2
NECK	0/ 0	0/ 0	19/ 1	0/ 0	0/ 0
LESION c	39/ 2	7/ 1	27/ 5	0/ 0	17/ 2
SWOLLEN SNOUT	16/ 2	0/ 0	0/ 0	0/ 0	10/ 1
DEHYDRATION	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
DECREASED MOTOR ACTIVITY	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
RED AND WET PERINASAL SUBSTANCE	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
GASPING	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0

RESTRICTED TO RATS ASSIGNED TO SUBSETS 2, 3 AND 4.
STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 1569 was found dead on day 17 postpartum.
b. Rat 1341 was found dead on day 68 postpartum.
c. Located on the tail, head, back, neck or mouth.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP	I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)	0 (CARRIER)	0.1	1.0	3.0	10.0
MAXIMUM POSSIBLE INCIDENCE	3874/ 60	3814/ 60	3863/ 60	3874/ 60	3850/60
FOUND DEAD	0	1a	0	0	1b
TAIL BENT	0/ 0	0/ 0	0/ 0	38/ 1	0/ 0
TAIL: TIP BLACK	0/ 0	27/ 1	0/ 0	0/ 0	0/ 0
TAIL: TIP MISSING	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0
UMBILICAL HERNIA	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0
URINE-STAINED ABDOMINAL FUR	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0

RESTRICTED TO RATS ASSIGNED TO SUBSETS 2, 3 AND 4.
STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/M = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 1569 was found dead on day 17 postpartum.
b. Rat 1341 was found dead on day 68 postpartum.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C2 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP	I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)	0 (CARRIER)	0.1	1.0	3.0	10.0
MAXIMUM POSSIBLE INCIDENCE	3874/ 60	3707/ 60	3865/ 60	3871/ 60	3871/60
MORTALITY	0	4**	0	0	0
FOUND DEAD	0	2a,b	0	0	0
MORIBUND SACRIFICED	0	2c,d	0	0	0
CHROMODACRYORRHEA	50/ 4	0/ 0	14/ 4	20/ 3	21/ 3
INCISORS: TOTAL	73/ 8	10/ 1	17/ 3	29/ 4	16/ 3
MISALIGNED	50/ 5	0/ 0**	0/ 0**	12/ 2**	8/ 2**
MISSING/BROKEN	34/ 5	10/ 1	17/ 3	20/ 3	8/ 1
CHROMORHINORRHEA	3/ 1	4/ 2	5/ 3	0/ 0	2/ 2
LOCALIZED ALOPECIA: TOTAL	26/ 2	0/ 0	53/ 5**	19/ 4	0/ 0
LIMBS	13/ 1	0/ 0	53/ 5**	19/ 4*	0/ 0
NECK	13/ 1	0/ 0	0/ 0	0/ 0	0/ 0
TAIL: TIP BLACK	0/ 0	0/ 0	46/ 3**	0/ 0	0/ 0
TAIL: TIP MISSING	0/ 0	0/ 0	16/ 3**	0/ 0	0/ 0
LESION e	0/ 0	15/ 2d	12/ 1	4/ 1	0/ 0
SWOLLEN SNOUT	3/ 1	0/ 0	0/ 0	2/ 1	0/ 0
MICROPHTHALMIA	0/ 0	0/ 0	0/ 0	40/ 1	0/ 0

RESTRICTED TO RATS ASSIGNED TO SUBSETS 2, 3 AND 4.
STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 1700 was found dead on day 67 postpartum.
b. Rat 1811 was found dead on day 17 postpartum.
c. Rat 1895 was moribund sacrificed on day 52 postpartum.
d. Rat 1900 was moribund sacrificed on day 24 postpartum.
e. Located on the chest, mouth, back or tail.
* Significantly different from the carrier group value ($p \leq 0.05$).
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C2 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP	I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)	0 (CARRIER)	0.1	1.0	3.0	10.0
MAXIMUM POSSIBLE INCIDENCE	3874/ 60	3707/ 60	3865/ 60	3871/ 60	3871/60
MORTALITY	0	4**	0	0	0
FOUND DEAD	0	2a,b	0	0	0
MORIBUND SACRIFICED	0	2c,d	0	0	0
PUPILS DILATED	0/ 0	0/ 0	0/ 0	40/ 1	0/ 0
EXCESS SALIVATION	0/ 0	0/ 0	1/ 1	0/ 0	0/ 0
EXOPHTHALMOS	0/ 0	23/ 1c	0/ 0	0/ 0	0/ 0
TAIL: BENT	0/ 0	19/ 1	0/ 0	0/ 0	0/ 0
RIGHT EYE: DARK RED	0/ 0	9/ 1c	0/ 0	0/ 0	0/ 0
CORNEAL OPACITY	0/ 0	2/ 1d	0/ 0	0/ 0	0/ 0
TRAUMATIZED CORNEA	0/ 0	2/ 1c	0/ 0	0/ 0	0/ 0
DYSPNEA	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0
RALES	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0
DECREASED MOTOR ACTIVITY	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0
IMPAIRED RIGHTING REFLEX	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0
UNCOORDINATED GAIT	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0
HEAD TILT	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0

RESTRICTED TO RATS ASSIGNED TO SUBSETS 2, 3 AND 4.
STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 1700 was found dead on day 67 postpartum.
b. Rat 1811 was found dead on day 17 postpartum.
c. Rat 1895 was moribund sacrificed on day 52 postpartum.
d. Rat 1900 was moribund sacrificed on day 24 postpartum.
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C2 (PAGE 3): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP	I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)	0 (CARRIER)	0.1	1.0	3.0	10.0
MAXIMUM POSSIBLE INCIDENCE	3874/ 60	3707/ 60	3865/ 60	3871/ 60	3871/60
MORTALITY	0	4**	0	0	0
FOUND DEAD	0	2a,b	0	0	0
MORIBUND SACRIFICED	0	2c,d	0	0	0
COLD TO TOUCH	0/ 0	1/ 1d	0/ 0	0/ 0	0/ 0
SUBCUTANEOUS ABCESSES	0/ 0	2/ 1d	0/ 0	0/ 0	0/ 0
LABORED BREATHING	3/ 1	0/ 0	0/ 0	0/ 0	0/ 0
RED PERIORAL SUBSTANCE	2/ 1	0/ 0	0/ 0	0/ 0	0/ 0

RESTRICTED TO RATS ASSIGNED TO SUBSETS 2, 3 AND 4.
STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 1700 was found dead on day 67 postpartum.
b. Rat 1811 was found dead on day 17 postpartum.
c. Rat 1895 was moribund sacrificed on day 52 postpartum.
d. Rat 1900 was moribund sacrificed on day 24 postpartum.
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C3 (PAGE 1): BODY WEIGHTS - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	78	79	80	80
BODY WEIGHT (G)						
DAY 5	MEAN±S.D.	10.9 ± 1.5	10.3 ± 1.2*	10.3 ± 1.4*	10.4 ± 1.5	11.0 ± 1.5
DAY 8	MEAN±S.D.	18.3 ± 2.3	16.9 ± 2.5**	17.0 ± 2.6**	17.4 ± 2.5*	18.1 ± 2.6
DAY 12	MEAN±S.D.	28.8 ± 3.1	27.5 ± 4.8*	27.7 ± 2.8*	28.1 ± 3.2	29.0 ± 3.2
DAY 14	MEAN±S.D.	35.5 ± 3.6 [60]a	33.4 ± 4.4** [60]a	34.6 ± 3.0 [60]a	34.8 ± 3.5 [60]a	36.0 ± 3.6 [60]a
DAY 18	MEAN±S.D.	46.6 ± 4.8 [60]a	44.4 ± 4.8* [59]a,b	45.8 ± 3.5 [60]a	46.8 ± 4.6 [60]a	47.4 ± 4.2 [60]a
DAY 22	MEAN±S.D.	62.1 ± 6.6 [60]a	58.9 ± 6.6* [59]a,b	60.8 ± 5.1 [60]a	60.7 ± 6.9 [60]a	62.4 ± 6.4 [60]a
DAY 23	MEAN±S.D.	65.6 ± 7.6 [60]a	62.2 ± 7.9* [59]a,b	63.7 ± 6.0 [60]a	63.8 ± 7.7 [60]a	65.9 ± 7.3 [60]a
DAY 30	MEAN±S.D.	112.2 ± 11.1 [60]a	109.8 ± 11.1 [59]a,b	110.1 ± 10.2 [60]a	110.7 ± 10.5 [60]a	113.5 ± 11.6 [60]a
DAY 37	MEAN±S.D.	172.5 ± 15.5 [60]a	171.3 ± 16.0 [59]a,b	170.1 ± 15.6 [60]a	171.3 ± 14.9 [60]a	175.0 ± 17.6 [60]a
DAY 44	MEAN±S.D.	235.3 ± 19.6 [60]a	235.0 ± 19.6 [59]a,b	232.4 ± 18.8 [60]a	235.0 ± 18.0 [60]a	238.7 ± 21.9 [60]a
DAY 51	MEAN±S.D.	297.5 ± 24.3 [60]a	298.4 ± 24.4 [59]a,b	293.7 ± 22.4 [60]a	297.0 ± 22.8 [60]a	301.5 ± 26.1 [60]a
DAY 58	MEAN±S.D.	354.3 ± 30.4 [60]a	357.3 ± 27.3 [59]a,b	350.5 ± 24.9 [60]a	354.4 ± 25.7 [60]a	361.5 ± 30.9 [60]a
DAY 65	MEAN±S.D.	398.8 ± 33.7 [60]a	403.8 ± 33.0 [59]a,b	395.7 ± 27.9 [60]a	401.9 ± 28.8 [60]a	408.9 ± 35.9 [60]a

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for a rat that was found dead.
* Significantly different from the control group value ($p \leq 0.05$).
** Significantly different from the control group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C3 (PAGE 2): BODY WEIGHTS - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	78	79	80	80
BODY WEIGHT (G)						
DAY 72	MEAN±S.D.	437.9 ± 39.6	447.0 ± 36.3	435.4 ± 31.5	440.2 ± 34.2	447.9 ± 42.8
		[40]a,c	[39]a-c	[40]a,c	[40]a,c	[39]a,c
DAY 79	MEAN±S.D.	468.2 ± 46.2	481.5 ± 38.8	468.1 ± 34.9	476.6 ± 37.8	483.7 ± 45.0
		[40]a,c	[39]a-c	[40]a,c	[40]a,c	[39]a-c
DAY 86	MEAN±S.D.	492.6 ± 54.0	519.2 ± 50.3	492.4 ± 35.2	492.2 ± 35.6	508.4 ± 45.6
		[20]a,c,d	[20]a,c,d	[20]a,c,d	[20]a,c,d	[19]a,c,d

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for rats that were found dead.
c. Excludes values for rats assigned to Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
d. Excludes values for rats assigned to Subset 4, these rats were sacrificed on days 80 to 86 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C4 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	78	79	80	80
BODY WEIGHT CHANGE (G)						
DAYS 5 - 8	MEAN±S.D.	7.4 ± 1.1	6.6 ± 1.5**	6.6 ± 1.5**	6.9 ± 1.2*	7.1 ± 1.4
DAYS 8 - 12	MEAN±S.D.	10.5 ± 1.5	10.5 ± 1.4	10.7 ± 0.9	10.7 ± 1.4	10.8 ± 1.1
DAYS 5 - 12	MEAN±S.D.	17.9 ± 2.1	17.2 ± 2.6	17.3 ± 1.7	17.7 ± 2.0	18.0 ± 2.0
DAYS 12 - 14	MEAN±S.D.	6.8 ± 1.1 [60]a	6.1 ± 1.9 [60]a	6.8 ± 1.2 [60]a	6.8 ± 1.0 [60]a	6.9 ± 1.2 [60]a
DAYS 14 - 18	MEAN±S.D.	11.1 ± 1.6 [60]a	10.8 ± 1.9 [59]a,b	11.2 ± 1.9 [60]a	11.9 ± 2.0* [60]a	11.4 ± 1.9 [60]a
DAYS 18 - 22	MEAN±S.D.	15.5 ± 2.8 [60]a	14.5 ± 3.3 [59]a,b	15.0 ± 2.8 [60]a	14.0 ± 3.1* [60]a	15.0 ± 3.1 [60]a
DAYS 5 - 22	MEAN±S.D.	51.2 ± 5.5 [60]a	48.6 ± 5.8* [59]a,b	50.4 ± 4.2 [60]a	50.3 ± 5.8 [60]a	51.3 ± 5.4 [60]a
DAYS 23 - 30	MEAN±S.D.	46.6 ± 5.0 [60]a	47.6 ± 4.6 [59]a,b	46.4 ± 5.7 [60]a	47.0 ± 5.5 [60]a	47.7 ± 5.8 [60]a
DAYS 30 - 37	MEAN±S.D.	60.3 ± 6.6 [60]a	61.5 ± 6.5 [59]a,b	60.0 ± 6.6 [60]a	60.6 ± 5.9 [60]a	61.5 ± 7.0 [60]a
DAYS 37 - 44	MEAN±S.D.	62.8 ± 6.5 [60]a	63.7 ± 5.7 [59]a,b	62.2 ± 5.3 [60]a	63.7 ± 5.7 [60]a	63.6 ± 6.4 [60]a
DAYS 44 - 51	MEAN±S.D.	62.1 ± 7.4 [60]a	63.4 ± 7.2 [59]a,b	61.4 ± 6.0 [60]a	62.0 ± 6.4 [60]a	62.8 ± 6.4 [60]a
DAYS 51 - 58	MEAN±S.D.	56.8 ± 8.7 [60]a	59.0 ± 8.4 [59]a,b	56.8 ± 6.9 [60]a	57.3 ± 8.7 [60]a	60.0 ± 8.3 [60]a
DAYS 58 - 65	MEAN±S.D.	44.5 ± 7.0 [60]a	46.4 ± 11.1 [59]a,b	45.2 ± 8.8 [60]a	47.5 ± 7.9 [60]a	47.4 ± 9.8 [60]a
DAYS 23 - 65	MEAN±S.D.	333.2 ± 29.9 [60]a	341.6 ± 28.3 [59]a,b	332.0 ± 25.2 [60]a	338.1 ± 25.3 [60]a	343.0 ± 31.1 [60]a

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for a rat that was found dead.
* Significantly different from the carrier group value ($p \leq 0.05$).
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE C4 (PAGE 2): BODY WEIGHT CHANGES - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	78	79	80	80
BODY WEIGHT CHANGE (G)						
DAYS 5 - 65	MEAN±S.D.	387.9 ± 33.0 [60]a	393.5 ± 32.6 [59]a,b	385.4 ± 27.4 [60]a	391.4 ± 28.3 [60]a	397.9 ± 35.2 [60]a
DAYS 65 - 72	MEAN±S.D.	35.9 ± 8.1 [40]a,c	37.9 ± 8.4 [39]a,b	34.7 ± 8.9 [40]a	36.5 ± 8.6 [40]a	36.1 ± 11.4 [39]a,b,c
DAYS 72 - 79	MEAN±S.D.	30.3 ± 14.3 [40]a,c	34.5 ± 6.7 [39]a,b	32.6 ± 6.5 [40]a	36.4 ± 6.5 [40]a	35.8 ± 9.4 [39]a,b,c
DAYS 23 - 79	MEAN±S.D.	402.1 ± 42.2 [40]a,c	419.5 ± 32.7 [39]a,b	457.8 ± 34.7 [40]a	412.1 ± 33.8 [40]a	417.3 ± 40.4 [39]a,b,c
DAYS 5 - 79	MEAN±S.D.	457.2 ± 45.4 [40]a,c	471.4 ± 38.2 [39]a,b	457.8 ± 34.7 [40]a	466.2 ± 37.2 [40]a	472.6 ± 44.4 [39]a,b,c
DAYS 79 - 86	MEAN±S.D.	25.0 ± 16.5 [20]a,c,d	28.6 ± 6.3 [20]a-d	29.6 ± 4.3 [20]a,c,d	20.1 ± 16.6* [20]a	27.8 ± 6.6 [19]a-d
DAYS 23 - 86	MEAN±S.D.	426.8 ± 48.8 [20]a,c,d	456.7 ± 42.5* [20]a-d	428.9 ± 34.1 [20]a,c,d	427.2 ± 34.4 [20]a	441.3 ± 38.9 [19]a-d
DAYS 5 - 86	MEAN±S.D.	481.7 ± 53.2 [20]a,c,d	509.1 ± 49.6 [20]a-d	482.1 ± 35.1 [20]a,c,d	481.6 ± 35.6 [20]a	497.2 ± 44.8 [19]a-d

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for rats that were found dead.
c. Excludes values for rats assigned to Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
d. Excludes values for rats assigned to Subset 4, these rats were sacrificed on days 80 to 86 postpartum.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(*SPONSOR'S STUDY NUMBER: 7757A210-1096-25F*)

TABLE C5 (PAGE 1): BODY WEIGHTS - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	80	80	80	80
BODY WEIGHT (G)						
DAY 5	MEAN±S.D.	10.4 ± 1.4	9.8 ± 1.5*	9.7 ± 1.4*	9.8 ± 1.4*	10.3 ± 1.4
DAY 8	MEAN±S.D.	17.4 ± 2.2	16.0 ± 3.0*	16.0 ± 2.4**	16.5 ± 2.5	17.2 ± 2.4
DAY 12	MEAN±S.D.	27.5 ± 2.7	25.8 ± 4.8	26.6 ± 2.7	26.9 ± 3.2	27.7 ± 3.2
DAY 14	MEAN±S.D.	34.1 ± 3.2 [60]a	32.2 ± 5.3* [60]a	33.0 ± 2.9 [60]a	33.4 ± 3.5 [60]a	34.3 ± 3.6 [60]a
DAY 18	MEAN±S.D.	44.6 ± 4.1 [60]a	42.4 ± 6.1* [59]a,b	43.8 ± 3.3 [60]a	44.8 ± 4.6 [60]a	45.3 ± 4.3 [60]a
DAY 22	MEAN±S.D.	58.8 ± 5.2 [60]a	56.0 ± 8.0 [59]a,b	57.4 ± 4.6 [60]a	57.3 ± 6.6 [60]a	58.6 ± 6.2 [60]a
DAY 23	MEAN±S.D.	61.6 ± 5.8 [60]a	58.6 ± 9.2 [59]a,b	59.7 ± 5.3 [60]a	59.8 ± 7.3 [60]a	61.5 ± 6.8 [60]a
DAY 30	MEAN±S.D.	99.4 ± 9.5 [60]a	99.2 ± 10.6 [58]a,b	99.0 ± 8.3 [60]a	99.3 ± 9.5 [60]a	101.4 ± 10.3 [60]a
DAY 37	MEAN±S.D.	138.5 ± 12.1 [60]a	140.3 ± 13.0 [58]a,b	139.1 ± 10.5 [60]a	140.0 ± 12.0 [60]a	143.0 ± 14.5 [60]a
DAY 44	MEAN±S.D.	171.8 ± 13.0 [60]a	173.5 ± 15.3 [58]a,b	170.9 ± 12.1 [60]a	172.2 ± 14.8 [60]a	174.4 ± 18.8 [60]a
DAY 51	MEAN±S.D.	195.4 ± 15.5 [60]a	198.4 ± 17.4 [58]a,b	196.6 ± 13.5 [60]a	198.7 ± 15.9 [60]a	198.9 ± 22.5 [60]a
DAY 58	MEAN±S.D.	218.5 ± 18.6 [60]a	222.8 ± 21.6 [57]a,b	220.2 ± 17.5 [60]a	221.2 ± 18.4 [60]a	224.3 ± 27.0 [60]a
DAY 65	MEAN±S.D.	237.7 ± 20.8 [60]a	244.2 ± 24.6 [57]a,b	240.0 ± 19.2 [60]a	243.1 ± 20.4 [60]a	242.8 ± 29.6 [60]a
DAY 72	MEAN±S.D.	250.8 ± 24.8 [40]a,c	257.7 ± 24.2 [36]a-c	251.8 ± 17.8 [40]a,c	256.7 ± 26.8 [40]a,c	259.6 ± 35.0 [40]a,c

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for rats that were found dead or moribund sacrificed.
c. Excludes values for rats assigned to Subset 3, these rats were sacrificed on day 65 postpartum.
* Significantly different from the carrier group value ($p \leq 0.05$).
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C5 (PAGE 2): BODY WEIGHTS - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	80	80	80	80
BODY WEIGHT (G)						
DAY 79	MEAN±S.D.	262.1 ± 24.7 [40]a,c	271.2 ± 25.8 [36]a-c	262.6 ± 20.4 [40]a,c	271.5 ± 26.4 [40]a,c	277.9 ± 39.3 [39]a,c,e
DAY 86	MEAN±S.D.	269.4 ± 24.4 [20]a,c,d	280.0 ± 29.2 [19]a-d	276.6 ± 23.6 [20]a,c,d	277.2 ± 28.4 [20]a,c,d	286.2 ± 39.4 [20]a,c,d

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for rats that were found dead or moribund sacrificed.
c. Excludes values for rats assigned to Subset 3, these rats were sacrificed on day 65 postpartum.
d. Excludes values for rats assigned to Subset 4, these rats were sacrificed on day 79 postpartum.
e. Excludes a value that was not recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C6 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	80	80	80	80
BODY WEIGHT CHANGE (G)						
DAYS 5 - 8	MEAN±S.D.	7.1 ± 1.0	6.2 ± 1.9**	6.3 ± 1.3**	6.7 ± 1.3	6.9 ± 1.4
DAYS 8 - 12	MEAN±S.D.	10.1 ± 1.3	9.8 ± 2.2	10.5 ± 0.9	10.4 ± 1.2	10.5 ± 1.3
DAYS 5 - 12	MEAN±S.D.	17.2 ± 1.9	16.0 ± 3.6	16.8 ± 1.7	17.1 ± 2.0	17.3 ± 2.1
DAYS 12 - 14	MEAN±S.D.	6.5 ± 1.1 [60]a	6.2 ± 1.4 [60]a	6.4 ± 1.3 [60]a	6.4 ± 1.1 [60]a	6.7 ± 1.2 [60]a
DAYS 14 - 18	MEAN±S.D.	10.5 ± 1.6 [60]a	10.3 ± 1.8 [59]a,b	10.9 ± 1.8 [60]a	11.4 ± 2.0** [60]a	11.0 ± 1.8 [60]a
DAYS 18 - 22	MEAN±S.D.	14.2 ± 2.6 [60]a	13.5 ± 3.2 [59]a,b	13.5 ± 2.4 [60]a	12.5 ± 2.9** [60]a	13.3 ± 2.5 [60]a
DAYS 5 - 22	MEAN±S.D.	48.5 ± 4.2 [60]a	46.2 ± 6.8 [59]a,b	47.7 ± 3.8 [60]a	47.5 ± 5.7 [60]a	48.4 ± 5.2 [60]a
DAYS 23 - 30	MEAN±S.D.	37.8 ± 5.9 [60]a	40.1 ± 4.8 [58]a,b	39.3 ± 4.6 [60]a	39.5 ± 4.8 [60]a	39.8 ± 5.5 [60]a
DAYS 30 - 37	MEAN±S.D.	39.0 ± 8.1 [60]a	41.0 ± 5.3 [58]a,b	40.1 ± 4.2 [60]a	40.7 ± 5.7 [60]a	41.6 ± 5.9 [60]a
DAYS 37 - 44	MEAN±S.D.	33.4 ± 7.9 [60]a	33.2 ± 6.1 [58]a,b	31.8 ± 5.9 [60]a	32.1 ± 7.2 [60]a	31.4 ± 7.4 [60]a
DAYS 44 - 51	MEAN±S.D.	23.6 ± 6.9 [60]a	24.9 ± 6.6 [58]a,b	25.6 ± 5.8 [60]a	26.5 ± 5.8 [60]a	24.4 ± 6.2 [60]a
DAYS 51 - 58	MEAN±S.D.	23.1 ± 7.0 [60]a	24.6 ± 7.6 [57]a,b	23.6 ± 7.2 [60]a	25.6 ± 6.1 [60]a	25.4 ± 7.4 [60]a
DAYS 58 - 65	MEAN±S.D.	19.2 ± 7.4 [60]a	21.4 ± 7.7 [57]a,b	19.8 ± 7.6 [60]a	18.9 ± 6.3 [60]a	18.5 ± 6.3 [60]a
DAYS 23 - 65	MEAN±S.D.	176.0 ± 19.4 [60]a	185.1 ± 22.0 [57]a,b	180.3 ± 18.4 [60]a	183.3 ± 19.6 [60]a	181.3 ± 26.6 [60]a

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for rats that were found dead or moribund sacrificed.
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C6 (PAGE 2): BODY WEIGHT CHANGES - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	80	80	80	80
BODY WEIGHT CHANGE (G)						
DAYS 5 - 65	MEAN±S.D.	227.4 ± 20.6 [60]a	234.3 ± 24.2 [57]a,b	230.3 ± 19.0 [60]a	233.4 ± 20.2 [60]a	232.5 ± 29.2 [60]a
DAYS 65 - 72	MEAN±S.D.	12.7 ± 8.5 [40]a,c	14.9 ± 7.3 [36]a,b,c	12.4 ± 8.2 [40]a,c	12.4 ± 7.2 [40]a,c	13.7 ± 8.0 [40]a,c
DAYS 72 - 79	MEAN±S.D.	11.2 ± 7.2 [40]a,c	13.5 ± 6.0 [36]a-c	10.9 ± 7.0 [40]a,c	14.8 ± 6.8 [40]a,c	17.6 ± 9.5** [39]a-c
DAYS 23 - 79	MEAN±S.D.	200.0 ± 24.0 [40]a,c	211.6 ± 24.5 [36]a-c	203.0 ± 19.7 [40]a,c	211.9 ± 25.7 [40]a,c	215.9 ± 36.5 [39]a-c
DAYS 5 - 79	MEAN±S.D.	251.7 ± 24.6 [40]a,c	261.2 ± 25.6 [36]a-c	253.0 ± 20.4 [40]a,c	261.8 ± 26.3 [40]a,c	267.6 ± 38.8 [39]a-c
DAYS 79 - 86	MEAN±S.D.	9.0 ± 5.3 [20]a,c,d	7.9 ± 7.7 [19]a-d	12.9 ± 7.8 [20]a,c,d	7.4 ± 8.7 [20]a,c,d	8.4 ± 7.7 [20]a,c,d
DAYS 23 - 86	MEAN±S.D.	207.0 ± 23.7 [20]a,c,d	220.2 ± 28.0 [19]a-d	217.6 ± 23.0 [20]a,c,d	218.6 ± 30.0 [20]a,c,d	224.9 ± 37.7 [20]a,c,d
DAYS 5 - 86	MEAN±S.D.	259.0 ± 24.4 [20]a,c,d	270.0 ± 29.1 [19]a-d	267.0 ± 23.3 [20]a,c,d	267.6 ± 28.6 [20]a,c,d	276.1 ± 39.0 [20]a,c,d

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats assigned to Subset 1, these rats were sacrificed on day 12 postpartum.
b. Excludes values for rats that were not recorded, found dead or moribund sacrificed.
c. Excludes values for rats assigned to Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
d. Excludes values for rats assigned to Subset 4, these rats were sacrificed on days 80 to 86 postpartum.
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C7 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	78	79	80	80
INCLUDED IN ANALYSES a	N	60	59b	60	60	60
FEED CONSUMPTION (G/DAY)						
DAYS 23 - 30	MEAN±S.D.	14.7 ± 1.6	14.7 ± 1.4	14.7 ± 1.1 [59]c	14.7 ± 1.3	15.2 ± 1.5
DAYS 30 - 37	MEAN±S.D.	20.1 ± 1.8	20.4 ± 1.6	19.9 ± 1.7	20.1 ± 1.8	20.6 ± 2.0
DAYS 37 - 44	MEAN±S.D.	24.8 ± 2.2	25.1 ± 1.9	24.5 ± 2.0	24.7 ± 1.9	25.0 ± 2.3
DAYS 44 - 51	MEAN±S.D.	28.4 ± 2.7	28.5 ± 2.2	28.2 ± 2.2	28.2 ± 2.1	28.6 ± 2.7
DAYS 51 - 58	MEAN±S.D.	30.2 ± 2.8 [59]c	30.6 ± 2.7	30.4 ± 2.1 [59]c	30.5 ± 2.4	31.1 ± 3.1 [59]c
DAYS 58 - 65	MEAN±S.D.	32.0 ± 3.6 [59]c	32.3 ± 3.2	32.0 ± 2.6	32.3 ± 2.9 [59]c	32.8 ± 3.0 [58]c
DAYS 23 - 65	MEAN±S.D.	25.0 ± 2.1 [59]c	25.3 ± 1.8	25.0 ± 1.7	25.1 ± 1.8 [59]c	25.5 ± 2.2 [58]c
DAYS 65 - 72	MEAN±S.D.	33.2 ± 3.4 [37]c,d	33.9 ± 2.9 [39]b,d	33.3 ± 2.5 [40]d	33.2 ± 2.8 [40]c	34.1 ± 3.7 [38]b-d
DAYS 72 - 79	MEAN±S.D.	33.1 ± 3.3 [38]c,d	33.6 ± 3.0 [36]b-d	33.0 ± 2.9 [40]d	33.4 ± 3.2 [39]c,d	33.8 ± 4.0 [38]b-d
DAYS 23 - 79	MEAN±S.D.	27.1 ± 2.4 [38]c,d	27.5 ± 1.9 [36]b-d	27.2 ± 1.8 [40]d	27.2 ± 1.9 [39]c,d	27.7 ± 2.4 [38]b-d
DAYS 79 - 86	MEAN±S.D.	33.4 ± 3.4 [20]d,e	35.1 ± 3.4 [18]c-e	34.5 ± 3.1 [20]d,e	32.7 ± 3.5 [19]c-e	35.1 ± 3.9 [19]b,d,e
DAYS 23 - 86	MEAN±S.D.	27.2 ± 2.3 [20]d,e	28.4 ± 2.5 [18]c-e	27.5 ± 1.8 [20]d,e	27.0 ± 1.6 [19]c-e	27.9 ± 2.3 [19]b,d,e

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Restricted to rats assigned to subsets 2, 3 and 4.
b. Excludes values for rats that were found dead.
c. Excludes values that could not be calculated, were incorrectly recorded or those associated with spillage or wet feed.
d. Excludes values for rats assigned to Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
e. Excludes values for rats assigned to Subset 4, these rats were sacrificed on days 80 to 86 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C8 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	78	79	80	80
INCLUDED IN ANALYSES a	N	60	59b	60	60	60
FEED CONSUMPTION (G/KG/DAY)						
DAYS 23 - 30	MEAN±S.D.	165.8 ± 14.8	171.1 ± 10.7	169.5 ± 9.8 [59]c	169.1 ± 9.9	170.3 ± 11.9
DAYS 30 - 37	MEAN±S.D.	141.4 ± 8.1	146.0 ± 10.3	142.1 ± 6.8	142.9 ± 8.4	143.0 ± 8.4
DAYS 37 - 44	MEAN±S.D.	121.9 ± 6.2	123.9 ± 6.5	122.0 ± 5.5	121.6 ± 6.8	121.3 ± 6.7
DAYS 44 - 51	MEAN±S.D.	106.7 ± 5.4	107.2 ± 4.9	107.4 ± 5.3	106.1 ± 5.1	105.9 ± 4.8
DAYS 51 - 58	MEAN±S.D.	93.0 ± 4.6 [59]c	93.4 ± 5.0	94.6 ± 4.6 [59]c	93.8 ± 6.0	94.1 ± 5.6 [59]c
DAYS 58 - 65	MEAN±S.D.	85.1 ± 7.7 [59]c	85.0 ± 6.0	85.6 ± 4.2	85.5 ± 5.9 [59]c	85.5 ± 4.3 [58]c
DAYS 23 - 65	MEAN±S.D.	107.2 ± 5.0 [59]c	108.2 ± 4.2	108.3 ± 3.9	107.6 ± 4.8 [59]c	107.6 ± 4.7 [58]c
DAYS 65 - 72	MEAN±S.D.	78.9 ± 4.4 [37]c,d	79.2 ± 4.9 [39]b,d	79.7 ± 3.5 [40]d	78.7 ± 5.0 [40]d	79.4 ± 4.2 [38]b-d
DAYS 72 - 79	MEAN±S.D.	72.8 ± 4.5 [38]c,d	72.9 ± 4.8 [36]b-d	73.1 ± 3.4 [40]d	73.0 ± 4.6 [39]c,d	72.7 ± 5.6 [38]b-d
DAYS 23 - 79	MEAN±S.D.	95.3 ± 4.2 [38]c,d	96.8 ± 4.2 [36]b-d	96.8 ± 3.2 [40]d	96.0 ± 4.8 [39]c,d	95.7 ± 3.9 [38]b-d
DAYS 79 - 86	MEAN±S.D.	69.7 ± 4.2 [20]d,e	69.8 ± 4.2 [18]c-e	72.3 ± 3.8 [20]d,e	68.0 ± 5.6 [19]c-e	71.0 ± 5.3 [19]b,d,e
DAYS 23 - 86	MEAN±S.D.	89.2 ± 2.7 [20]d,e	90.3 ± 3.8 [18]c-e	91.4 ± 2.8 [20]d,e	89.3 ± 3.4 [19]c-e	90.1 ± 3.2 [19]b,d,e

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Restricted to rats assigned to Subsets 2, 3 and 4.
b. Excludes values for rats that were found dead or moribund sacrificed.
c. Excludes values that could not be calculated, were incorrectly recorded or those associated with spillage or wet feed.
d. Excludes values for Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
e. Excludes values for Subset 4, these rats were sacrificed on days 80 to 86 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C9 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	80	80	80	80
INCLUDED IN ANALYSES a	N	60	58b	60	60	60
FEED CONSUMPTION (G/DAY)						
DAYS 23 - 30	MEAN±S.D.	13.3 ± 1.6	13.6 ± 1.6	13.5 ± 1.3	13.2 ± 1.5	13.9 ± 1.6 [59]c
DAYS 30 - 37	MEAN±S.D.	18.2 ± 2.0 [59]c	18.6 ± 1.8 [57]b,c	18.3 ± 1.4 [59]c	18.5 ± 2.0 [59]c	18.9 ± 2.1 [58]c
DAYS 37 - 44	MEAN±S.D.	19.8 ± 1.9 [59]c	20.3 ± 1.9 [57]b,c	19.6 ± 1.8 [58]c	20.0 ± 2.3	20.4 ± 2.1 [59]c
DAYS 44 - 51	MEAN±S.D.	21.5 ± 2.4 [58]c	21.9 ± 2.3 [57]b,c	21.9 ± 2.4	21.8 ± 2.3 [59]c	21.9 ± 2.6 [59]c
DAYS 51 - 58	MEAN±S.D.	20.9 ± 2.9	21.3 ± 2.5 [57]b	20.7 ± 1.9 [59]c	21.2 ± 1.8	21.5 ± 2.5 [59]c
DAYS 58 - 65	MEAN±S.D.	20.6 ± 2.2 [57]c	21.4 ± 3.0 [56]b,c	21.2 ± 2.2 [58]c	20.9 ± 2.1	21.1 ± 3.0
DAYS 23 - 65	MEAN±S.D.	19.1 ± 1.6 [57]c	19.5 ± 1.7 [56]b,c	19.2 ± 1.4 [58]c	19.3 ± 1.5	19.6 ± 2.0
DAYS 65 - 72	MEAN±S.D.	20.7 ± 3.6 [40]b,d	21.1 ± 2.6 [35]b-d	21.1 ± 2.1 [39]b-d	21.2 ± 2.9 [40]b,d	21.5 ± 3.0 [39]b-d
DAYS 72 - 79	MEAN±S.D.	21.0 ± 3.2 [40]b,d	22.3 ± 3.1 [35]b-d	21.4 ± 2.1 [36]b-d	22.1 ± 3.2 [40]b,d	22.8 ± 3.6* [40]b,d
DAYS 23 - 79	MEAN±S.D.	19.5 ± 1.8 [40]b,d	19.9 ± 1.7 [35]b-d	19.6 ± 1.2 [36]b-d	19.9 ± 1.8 [40]b,d	20.4 ± 2.2 [40]b,d
DAYS 79 - 86	MEAN±S.D.	20.1 ± 2.4 [19]b-e	22.0 ± 3.0 [18]b-e	22.0 ± 2.7 [19]b-e	20.8 ± 1.8 [20]b,d,e	21.9 ± 3.7 [20]b,d,e
DAYS 23 - 86	MEAN±S.D.	19.5 ± 1.7 [19]b-e	20.3 ± 2.1 [18]b-e	20.3 ± 1.5 [19]b-e	20.1 ± 1.7 [20]b,d,e	20.6 ± 2.2 [20]b,d,e

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Restricted to rats assigned to Subsets 2, 3 and 4.
b. Excludes values for rats that were found dead or moribund sacrificed.
c. Excludes values that could not be calculated, were incorrectly recorded, as well as those associated with spillage, wet or soiled feed.
d. Excludes values for Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
e. Excludes values for Subset 4, these rats were sacrificed on days 80 to 86 postpartum.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C10 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	80	80	80	80	80
INCLUDED IN ANALYSES a	N	60	58b	60	60	60
FEED CONSUMPTION (G/KG/DAY)						
DAYS 23 - 30	MEAN±S.D.	165.0 ± 14.3	172.3 ± 13.4**	169.9 ± 12.2	166.8 ± 12.9	170.4 ± 13.6* [59]c
DAYS 30 - 37	MEAN±S.D.	153.4 ± 10.9 [59]c	155.6 ± 14.4 [57]b,c	153.9 ± 10.2 [59]c	155.4 ± 15.8 [59]c	155.6 ± 12.0 [58]c
DAYS 37 - 44	MEAN±S.D.	127.7 ± 7.5 [59]c	129.3 ± 11.7 [57]b,c	127.1 ± 9.5 [58]c	128.6 ± 11.8	128.8 ± 7.4 [59]c
DAYS 44 - 51	MEAN±S.D.	117.4 ± 10.8 [58]c	118.1 ± 12.4 [57]b,c	119.2 ± 12.1	117.9 ± 9.9 [59]c	117.7 ± 10.7 [59]c
DAYS 51 - 58	MEAN±S.D.	100.7 ± 9.2	101.3 ± 7.7 [57]b	99.8 ± 6.8 [59]c	100.2 ± 6.0	102.0 ± 6.6 [59]c
DAYS 58 - 65	MEAN±S.D.	90.1 ± 7.0 [57]c	91.6 ± 9.2 [56]b,c	92.0 ± 7.4 [58]c	89.5 ± 7.0	90.6 ± 7.5
DAYS 23 - 65	MEAN±S.D.	118.8 ± 5.0 [57]c	120.2 ± 7.4 [56]b,c	119.3 ± 5.6 [58]c	118.9 ± 5.9	120.1 ± 6.6
DAYS 65 - 72	MEAN±S.D.	84.6 ± 11.9 [40]b,d	84.5 ± 7.6 [35]b-d	85.8 ± 7.2 [39]b-d	84.8 ± 10.6 [40]b,d	84.8 ± 6.9 [39]b-d
DAYS 72 - 79	MEAN±S.D.	82.2 ± 11.2 [40]b,d	84.4 ± 10.4 [35]b-d	83.3 ± 7.5 [36]b-d	84.0 ± 12.0 [40]b,d	85.3 ± 10.3 [40]b,d
DAYS 23 - 79	MEAN±S.D.	107.0 ± 5.3 [40]b,d	108.1 ± 6.4 [35]b-d	108.0 ± 6.0 [36]b-d	107.7 ± 7.0 [40]b,d	108.6 ± 6.5 [40]b,d
DAYS 79 - 86	MEAN±S.D.	76.1 ± 5.2 [19]b-e	79.6 ± 7.5 [18]b-e	81.2 ± 8.1 [19]b-e	76.4 ± 7.8 [20]b,d,e	77.8 ± 9.0 [20]b,d,e
DAYS 23 - 86	MEAN±S.D.	102.2 ± 5.0 [19]b-e	104.5 ± 6.3 [18]b-e	105.2 ± 6.1 [19]b-e	104.3 ± 7.4 [20]b,d,e	103.7 ± 6.9 [20]b,d,e

DAYS = DAYS POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Restricted to rats assigned to Subsets 2, 3 and 4.
b. Excludes values for rats that were found dead or moribund sacrificed.
c. Excludes values that could not be calculated, were incorrectly recorded, as well as those associated with spillage, wet or soiled feed.
d. Excludes values for Subset 3, these rats were sacrificed on days 67 to 69 postpartum.
e. Excludes values for Subset 4, these rats were sacrificed on days 80 to 86 postpartum.
* Significantly different from the carrier group value ($p \leq 0.05$).
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C11 (PAGE 1): SEXUAL MATURATION - SUMMARY - F1 GENERATION RATS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
MALE RATS TESTED	N	80	78a	79a	80	80
INCLUDED IN ANALYSES b	N	60	59c	60	60	60
PREPUTIAL SEPARATION d	MEAN±S.D.	45.2 ± 4.5	46.0 ± 3.3	45.0 ± 2.1	45.2 ± 2.5	45.0 ± 3.0
FEMALE RATS TESTED	N	80	80	80	80	80
INCLUDED IN ANALYSES b	N	60	58c	60	60	60
VAGINAL PATENCY e	MEAN±S.D.	31.6 ± 1.9	31.9 ± 1.6	31.9 ± 2.1	31.6 ± 1.9	31.8 ± 1.6

a. Excludes values for pups that were not assigned to Subset 1.
b. Restricted to rats assigned to Subsets 2, 3 and 4.
c. Excludes values for rats that were found dead or moribund sacrificed.
d. Average day postpartum that the prepuce was observed to be separated.
e. Average day postpartum that the vagina was observed to be patent.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1302	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1308	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1322	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1331	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1336	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1347	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1350	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(83)	CHROMORHINORRHEA
	DP(83- 91)	INCISORS: MISALIGNED a
	DP(84- 87)	CHROMODACRYORRHEA
	DP(84- 91)	INCISORS: MISSING/BROKEN a
	DP(88)	CHROMORHINORRHEA
	DP(89- 91)	CHROMODACRYORRHEA a
1357	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1362	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1367	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(76)	CHROMORHINORRHEA
	DP(80- 91)	HEAD: LESION (0.5 CM IN DIAMETER)a
1368	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1370	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1372	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1377	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(76)	CHROMORHINORRHEA
1381	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1385	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(73)	CHROMORHINORRHEA
	DP(73- 80)	CHROMODACRYORRHEA
	DP(73- 82)	SWOLLEN SNOUT
	DP(83)	SWELLING RESOLVED
	DP(73- 83)	INCISORS: MISSING/BROKEN
	DP(84)	INCISORS: GROWN IN
	DP(73- 92)	INCISORS: MISALIGNED a
	DP(79- 80)	CHROMORHINORRHEA
	DP(83- 92)	CHROMODACRYORRHEA a
1386	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(65- 91)	HEAD: LESION (0.5 CM IN DIAMETER) a
	DP(73- 75)	NECK: LESION (0.1 CM IN DIAMETER)
	DP(76)	LESION HEALED
1390	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1394	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1396	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1402	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1408	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1422	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1431	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1436	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1447	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1450	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(59- 67)	CHROMODACRYORRHEA
	DP(59- 67)	INCISORS: MISALIGNED
	DP(68)	INCISORS REALIGNED
1457	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1462	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1467	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1468	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1470	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1472	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1477	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1481	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1485	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1486	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1490	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1494	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1496	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY	SUBSET 4

RAT #		DESCRIPTION
1502	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1508	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1522	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1531	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(78)	CHROMORHINORRHEA
	DP(78- 83)	CHROMODACRYORRHEA a
	DP(78- 83)	SWOLLEN SNOUT a
	DP(78- 83)	INCISORS: MISALIGNED a
	DP(78- 83)	INCISORS: MISSING/BROKEN a
	DP(81)	CHROMORHINORRHEA
1536	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1547	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1550	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1557	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1562	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1567	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(74- 83)	INCISORS: MISSING/BROKEN
	DP(84)	INCISORS: GROWN IN
1568	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1570	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1572	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1577	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1581	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1585	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1586	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1590	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1594	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1596	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1305	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(64- 90)	TIP OF TAIL BLACK
	DP(75- 91)	INCISORS: MISALIGNED a
	DP(91)	TIP OF TAIL MISSING a
1306	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(87)	CHROMORHINORRHEA
1311	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1312	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1313	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1318	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1334	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(71- 82)	CHROMODACRYORRHEA
	DP(72- 88)	INCISORS: MISALIGNED
	DP(89)	INCISORS: REALIGNED
1346	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(41)	CHROMODACRYORRHEA
1353	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1355	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1356	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(76)	CHROMORHINORRHEA
1360	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(77)	CHROMORHINORRHEA
1363	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1369	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1371	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1375	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1379	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 6): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1382	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(90- 91)	CHROMODACRYORRHEA a
1395	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84)	CHROMORHINORRHEA
1400	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(55- 64)	CHROMORHINORRHEA
	DP(67- 70)	CHROMORHINORRHEA
	DP(74- 84)	CHROMORHINORRHEA
	DP(88- 91)	CHROMORHINORRHEA a

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 7): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1405	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1406	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1411	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1412	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1413	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1418	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(63- 68)	CHROMODACRYORRHEA a
	DP(63- 68)	INCISORS: MISALIGNED a
	DP(63- 68)	INCISORS: MISSING/BROKEN a
1434	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1446	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1453	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1455	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(69)	LOCALIZED ALOPECIA: LIMBS a
1456	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1460	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1463	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1469	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1471	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(66- 68)	LOCALIZED ALOPECIA: LIMBS a
1475	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(30- 36)	TAIL: LESION (0.2 CM X 0.2 CM)
	DP(37)	LESION HEALED
1479	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1482	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1495	DP(8)	UMBILICAL HERNIA
	DP(12)	UMBILICAL HERNIA NO LONGER APPARENT
	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1500	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(53- 63)	CHROMORHINORRHEA

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 8): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1505	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1506	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1511	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1512	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1513	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1518	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1534	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(64)	URINE-STAINED ABDOMINAL FUR
	DP(64- 66)	CHROMORHINORRHEA
	DP(64- 83)	CHROMODACRYORRHEA a
	DP(64- 83)	INCISORS: MISALIGNED a
1546	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1553	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1555	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1556	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(61- 64)	CHROMODACRYORRHEA
	DP(61- 82)	INCISORS: MISALIGNED a
	DP(67- 70)	CHROMODACRYORRHEA
	DP(73- 76)	CHROMODACRYORRHEA
	DP(79- 82)	CHROMODACRYORRHEA a
	DP(81)	CHROMORHINORRHEA
1560	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1563	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1569	DP(17)	FOUND DEAD
1571	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1575	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1579	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(40)	CHROMODACRYORRHEA
1582	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1595	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1600	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 9): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1303	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(81)	CHROMORHINORRHEA
1304	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1309	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1315	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1316	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(89)	CHROMODACRYORRHEA
1317	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(86- 88)	INCISORS: MISSING/BROKEN
	DP(89)	INCISORS: GROWN IN
1321	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1325	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(67- 71)	HEAD: LESION (0.5 CM IN DIAMETER)
	DP(72)	LESION HEALED
1330	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1335	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1342	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(76)	CHROMORHINORRHEA
1344	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1349	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1354	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1358	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1361	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(90- 92)	INCISORS: MISSING/BROKEN a
1380	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1391	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(75)	CHROMORHINORRHEA
1392	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1399	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(69- 77)	INCISORS: MISSING/BROKEN
	DP(78)	INCISORS: GROWN IN
	DP(69- 86)	INCISORS: MISALIGNED
	DP(87)	INCISORS: REALIGNED
	DP(73- 75)	CHROMODACRYORRHEA

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(*SPONSOR'S STUDY NUMBER: 7757A210-1096-25F*)

TABLE C12 (PAGE 10): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1403	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1404	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1409	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1415	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1416	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1417	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1421	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1425	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1430	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1435	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(68)	LOCALIZED ALOPECIA: LIMBS a
1442	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1444	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1449	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(59- 62)	CHROMODACRYORRHEA
	DP(59- 68)	INCISORS: MISALIGNED a
	DP(65- 67)	CHROMODACRYORRHEA
1454	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1458	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(64- 65)	HEAD: LESION (0.5 CM IN DIAMETER)
	DP(66)	LESION HEALED
1461	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1480	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1491	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1492	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1499	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 11): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1503	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(72- 80)	MOUTH: LESION (0.2 CM IN DIAMETER)
	DP(81)	LESION HEALED
1504	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1509	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1515	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1516	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(37- 41)	HEAD: LESION (0.5 CM IN DIAMETER)
	DP(42)	LESION HEALED
1517	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1521	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1525	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(62- 66)	INCISORS: MISSING/BROKEN
	DP(67)	INCISORS: GROWN IN
1530	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1535	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1542	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1544	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1549	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1554	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1558	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1561	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1580	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(68- 80)	CHROMODACRYORRHEA a
	DP(68- 80)	INCISORS: MISALIGNED a
1591	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(56- 61)	NECK: LESION (0.5 CM X 0.2 CM)
	DP(62)	LESION HEALED
	DP(64- 82)	LOCALIZED ALOPECIA: NECK a
1592	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(68)	CHROMODACRYORRHEA
1599	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(58- 61)	CHROMORHINORRHEA

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 12): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1301	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1307	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1314	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(86- 90)	CHROMORHINORRHEA a
1319	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1326	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(88- 89)	CHROMODACRYORRHEA
1329	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1332	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1333	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1338	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1339	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1345	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(83- 87)	CHROMORHINORRHEA
	DP(83- 91)	CHROMODACRYORRHEA a
	DP(85)	RED AND WET PERINASAL SUBSTANCE
	DP(85)	GASPING
	DP(85- 91)	INCISORS: MISALIGNED a
	DP(86)	DECREASED MOTOR ACTIVITY
1351	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1359	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1364	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1365	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1374	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(62- 65)	CHROMODACRYORRHEA
	DP(62- 92)	INCISORS: MISALIGNED a
	DP(67)	CHROMODACRYORRHEA
	DP(75- 92)	CHROMODACRYORRHEA a
1376	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1383	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1387	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1397	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(62)	CHROMODACRYORRHEA

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 13): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1401	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1407	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1414	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1419	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1426	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1429	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1432	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1433	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1438	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1439	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1445	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1451	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1459	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1464	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(31- 68)	TAIL BENT a
	DP(53- 60)	INCISORS: MISSING/BROKEN
	DP(53- 64)	CHROMODACRYORRHEA
	DP(53- 68)	INCISORS: MISALIGNED a
	DP(61)	INCISORS: GROWN IN
1465	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1474	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1476	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1483	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(60- 63)	CHROMORHINORRHEA
1487	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1497	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 14): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1501	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1507	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(65- 84)	LOCALIZED ALOPECIA: LIMBS a
1514	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1519	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(69)	CHROMORHINORRHEA
1526	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1529	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1532	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1533	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1538	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1539	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1545	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84)	INCISORS: MISSING/BROKEN a
1551	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1559	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1564	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1565	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(81)	INCISORS: MISALIGNED a
1574	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1576	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1583	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1587	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1597	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(67- 68)	CHROMORHINORRHEA

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 15): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1310	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1320	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1323	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(42)	CHROMODACRYORRHEA
	DP(87- 88)	CHROMORHINORRHEA
1324	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(67)	CHROMODACRYORRHEA
1327	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1328	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(91)	INCISORS: MISSING/BROKEN a
1337	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(86)	CHROMORHINORRHEA
1340	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1341	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(68)	FOUND DEAD
1343	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1348	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1352	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1366	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1373	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(64)	DEHYDRATION
	DP(64- 72)	CHROMODACRYORRHEA
	DP(65)	CHROMORHINORRHEA
	DP(69- 83)	INCISORS: MISALIGNED
	DP(84)	INCISORS: REALIGNED
	DP(75- 91)	CHROMODACRYORRHEA a
1378	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1384	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(62- 74)	INCISORS: MISALIGNED
	DP(75)	INCISORS: REALIGNED
1388	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84)	CHROMORHINORRHEA
1389	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 16): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY	SUBSET 2
RAT #		DESCRIPTION
1393	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(69- 72)	CHROMODACRYORRHEA
	DP(69- 91)	INCISORS: MISALIGNED a
	DP(75- 79)	CHROMODACRYORRHEA
	DP(84- 85)	CHROMORHINORRHEA
1398	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84)	CHROMORHINORRHEA

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 17): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1410	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1420	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1423	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1424	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1427	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1428	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1437	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1440	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1441	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1443	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1448	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(62- 68)	BACK: LESION (DID NOT EXCEED 3.0 CM X 2.0 CM)a
1452	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1466	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1473	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1478	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1484	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1488	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
	DP(58- 67)	BACK: LESION (DID NOT EXCEED 2.0 CM X 1.0 CM)a
1489	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1493	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL
1498	WP(4- 10)	AUTONOMIC FUNCTIONS APPEAR NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 18): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1510	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1520	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(73)	CHROMORHINORRHEA
1523	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1524	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1527	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1528	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1537	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1540	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1541	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1543	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(49- 53)	CHROMODACRYORRHEA
	DP(49- 84)	INCISORS: MISALIGNED
	DP(55)	CHROMODACRYORRHEA
	DP(59)	CHROMODACRYORRHEA
	DP(68- 77)	INCISORS: MISSING/BROKEN
	DP(78)	INCISORS: GROWN IN
	DP(81- 84)	INCISORS: MISSING/BROKEN a
	DP(84)	CHROMODACRYORRHEA a
1548	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(65- 74)	INCISORS: MISSING/BROKEN
	DP(75)	INCISORS: GROWN IN
	DP(66- 67)	CHROMODACRYORRHEA
	DP(69)	CHROMODACRYORRHEA
1552	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1566	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1573	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1578	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(58- 59)	LOCALIZED ALOPECIA: LIMBS
	DP(60)	ALOPECIA NO LONGER APPARENT
1584	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(66- 84)	LOCALIZED ALOPECIA: LIMBS a
1588	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C12 (PAGE 19): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY	SUBSET 4

RAT #		DESCRIPTION
1589	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(71- 75)	CHROMORHINORRHEA
	DP(71- 80)	SWOLLEN SNOUT a
	DP(71- 80)	INCISORS: MISALIGNED a
	DP(72- 80)	CHROMODACRYORRHEA a
1593	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1598	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1602	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84- 90)	INCISORS: MISSING/BROKEN
	DP(91)	INCISORS: GROWN IN
1608	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1622	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1631	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1636	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1647	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1650	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1657	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1662	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(58- 59)	INCISORS: MISALIGNED
	DP(60)	INCISORS: REALIGNED
	DP(66- 71)	CHROMODACRYORRHEA
1667	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(66- 67)	RED PERIORAL SUBSTANCE
	DP(66- 68)	SWOLLEN SNOUT
	DP(69)	SWELLING RESOLVED
	DP(66- 68)	LABORED BREATHING
	DP(66- 91)	CHROMODACRYORRHEA a
	DP(66- 91)	INCISORS: MISALIGNED a
	DP(79- 91)	LOCALIZED ALOPECIA: LIMBS a
1668	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1670	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1672	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(71- 80)	INCISORS: MISSING/BROKEN
	DP(81)	INCISORS: GROWN IN
1677	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(86- 91)	CHROMODACRYORRHEA a
	DP(86- 91)	INCISORS: MISALIGNED a
	DP(86- 91)	INCISORS: MISSING/BROKEN a
1681	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1685	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1686	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1690	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(70- 82)	LOCALIZED ALOPECIA: NECK
	DP(83)	ALOPECIA NO LONGER APPARENT
	DP(77- 81)	CHROMODACRYORRHEA
	DP(77- 81)	INCISORS: MISALIGNED
	DP(82)	INCISORS: REALIGNED
	DP(84- 89)	CHROMODACRYORRHEA
	DP(86- 91)	INCISORS: MISALIGNED a
	DP(91)	CHROMODACRYORRHEA a
1694	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1696	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1702	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(65- 69)	INCISORS: MISSING/BROKEN
1708	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(46- 48)	CHROMORHINORRHEA
1722	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1731	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1736	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1747	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1750	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1757	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1762	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1767	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1768	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1770	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1772	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1777	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1781	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1785	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1786	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1790	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1794	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1796	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1802	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1808	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1822	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1831	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1836	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1847	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1850	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1850	DP(72- 77)	INCISORS: MISSING/BROKEN
	DP(78)	INCISORS: GROWN IN
	DP(73- 77)	INCISORS: MISALIGNED
	DP(78)	INCISORS: REALIGNED
1857	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1862	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1867	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1868	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1870	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1872	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1877	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1881	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1885	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1886	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1890	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1894	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1896	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1605	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1606	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1611	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1612	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1613	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1618	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1634	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1646	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1653	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1655	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1656	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1660	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1663	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1669	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1671	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1675	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1679	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1682	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(63- 72)	INCISORS: MISSING/BROKEN
	DP(73)	INCISORS: GROWN IN
1695	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1700	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(67)	FOUND DEAD

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 6): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1705	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1706	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1711	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1712	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1713	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1718	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1734	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1746	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1753	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1755	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(38- 50)	TAIL: LESION (0.1 CM X 0.5 CM)
	DP(51)	LESION HEALED
	DP(51- 69)	TAIL BENT a
1756	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1760	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1763	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1769	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1771	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1775	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1779	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1782	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1795	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1800	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 7): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1805	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1806	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1811	DP(17)	FOUND DEAD
1812	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1813	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1818	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1834	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1846	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1853	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1855	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1856	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1860	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1863	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(74- 76)	CHROMORHINORRHEA
1869	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1871	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1875	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1879	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(72)	CHROMORHINORRHEA
1882	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1895	WP(4- 8)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(30- 52)	EXOPHTHALMOS a
	DP(44- 52)	RIGHT EYE: DARK RED a
	DP(51- 52)	TRAUMATIZED CORNEA a
	DP(52)	MORIBUND SACRIFICED
1900	DP(14)	SUBCUTANEOUS ABCESSES
	DP(22)	SUBCUTANEOUS ABCESSES
	DP(23)	UNCOORDINATED GAIT
	DP(23)	HEAD TILT
	DP(23- 24)	CHEST: LESION (0.1 CM IN DIAMETER)a
	DP(23- 24)	CORNEAL OPACITY
	DP(24)	DECREASED MOTOR ACTIVITY
	DP(24)	IMPAIRED RIGHTING REFLEX
	DP(24)	COLD TO TOUCH
	DP(24)	DYSPNEA
	DP(24)	RALES
	DP(24)	MORIBUND SACRIFICED

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 8): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1603	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1604	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(72- 91)	EARS: SWOLLEN AND PURPLE a
	DP(73)	EXCESS SALIVATION
	DP(75)	CHROMODACRYORRHEA
1609	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1615	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1616	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1617	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1621	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1625	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1630	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1635	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1642	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1644	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1649	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1654	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(69- 80)	TIP OF TAIL BLACK
	DP(74- 77)	INCISORS: MISSING/BROKEN
	DP(78)	INCISORS: GROWN IN
	DP(81- 91)	TIP OF TAIL MISSING a
1658	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(71- 91)	LOCALIZED ALOPECIA: LIMBS a
1661	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1680	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1691	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1692	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1699	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 9): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY	SUBSET 3
RAT #		DESCRIPTION
1703	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1704	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1709	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1715	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1716	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(42- 64)	TIP OF TAIL BLACK
	DP(65- 68)	TIP OF TAIL MISSING a
1717	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1721	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1725	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1730	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1735	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1742	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1744	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1749	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1754	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1758	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1761	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1780	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1791	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1792	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1799	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 10): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1803	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(70- 83)	LOCALIZED ALOPECIA: LIMBS a
1804	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1809	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(73- 74)	CHROMORHINORRHEA
	DP(75- 82)	INCISORS: MISSING/BROKEN a
1815	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1816	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(74- 75)	CHROMODACRYORRHEA
	DP(75- 76)	CHROMORHINORRHEA
1817	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(72- 76)	INCISORS: MISSING/BROKEN
	DP(77)	INCISORS: GROWN IN
	DP(72- 83)	MOUTH: LESION (0.5 CM X 0.2 CM)a
1821	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(76- 82)	LOCALIZED ALOPECIA: LIMBS a
1825	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84)	LOCALIZED ALOPECIA: LIMBS a
1830	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1835	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(68- 73)	LOCALIZED ALOPECIA: LIMBS
	DP(74)	ALOPECIA NO LONGER APPARENT
	DP(78- 81)	LOCALIZED ALOPECIA: LIMBS a
1842	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1844	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1849	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1854	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(72- 82)	TIP OF TAIL BLACK
	DP(83)	TIP OF TAIL MISSING a
1858	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1861	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(49- 52)	CHROMODACRYORRHEA
1880	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1891	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(72- 78)	CHROMODACRYORRHEA
	DP(80)	CHROMORHINORRHEA
1892	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1899	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 11): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1601	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1607	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(52- 91)	MICROPHTHALMIA a
	DP(52- 91)	PUPILS DILATED
1614	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84- 90)	EARS: SWOLLEN AND PURPLE a
1619	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1626	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84- 85)	LOCALIZED ALOPECIA: LIMBS
	DP(86)	ALOPECIA NO LONGER APPARENT
1629	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1632	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1633	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(64)	CHROMODACRYORRHEA
	DP(64)	INCISORS: MISALIGNED
	DP(65)	INCISORS: REALIGNED
	DP(73- 74)	SWOLLEN SNOUT
	DP(75)	SWELLING RESOLVED
1638	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1639	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(84- 91)	LOCALIZED ALOPECIA: LIMBS a
1645	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(88- 90)	INCISORS: MISSING/BROKEN
	DP(91)	INCISORS: GROWN IN
1651	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1659	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(83- 90)	LOCALIZED ALOPECIA: LIMBS
	DP(91)	ALOPECIA NO LONGER APPARENT
1664	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(39)	CHROMODACRYORRHEA
	DP(43)	CHROMODACRYORRHEA
1665	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1674	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1676	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1683	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1687	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1697	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 12): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1701	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1707	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1714	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1719	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1726	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1729	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1732	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1733	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1738	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1739	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1745	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1751	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1759	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1764	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1765	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1774	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1776	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1783	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(67)	LOCALIZED ALOPECIA: LIMBS a
1787	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1797	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 13): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1801	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(58- 61)	BACK: LESION (1.0 CM X 1.0 CM)
	DP(62)	LESION HEALED
1807	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1814	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1819	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1826	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1829	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1832	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1833	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1838	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1839	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1845	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1851	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1859	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1864	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1865	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1874	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(64- 73)	INCISORS: MISSING/BROKEN
	DP(64- 80)	CHROMODACRYORRHEA
	DP(71- 81)	INCISORS: MISALIGNED
	DP(74)	INCISORS: GROWN IN
1876	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1883	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(73- 79)	INCISORS: MISSING/BROKEN
	DP(80)	INCISORS: GROWN IN
1887	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1897	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 14): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY SUBSET 2

RAT #		DESCRIPTION
1610	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1620	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1623	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(86)	CHROMODACRYORRHEA
	DP(86- 90)	INCISORS: MISALIGNED
	DP(91)	INCISORS: REALIGNED
1624	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1627	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1628	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1637	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(70- 74)	CHROMODACRYORRHEA
	DP(76- 77)	CHROMODACRYORRHEA
	DP(87)	CHROMORHINORRHEA
	DP(88- 91)	CHROMODACRYORRHEA a
	DP(89- 91)	INCISORS: MISALIGNED a
1640	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1641	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1643	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1648	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1652	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1666	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1673	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1678	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1684	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1688	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1689	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(62- 69)	INCISORS: MISSING/BROKEN
	DP(70)	INCISORS: GROWN IN
1693	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1698	WP(4- 13)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM
a. Observation confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE C13 (PAGE 15): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY SUBSET 3

RAT #		DESCRIPTION
1710	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1720	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1723	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1724	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1727	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1728	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1737	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1740	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1741	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1743	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1748	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1752	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1766	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1773	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1778	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1784	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1788	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1789	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1793	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1798	WP(4- 10)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DP = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C13 (PAGE 16): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY SUBSET 4

RAT #		DESCRIPTION
1810	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1820	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1823	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1824	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1827	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1828	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1837	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1840	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(64- 65)	CHROMODACRYORRHEA
	DP(75- 81)	CHROMODACRYORRHEA
1841	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1843	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1848	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1852	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1866	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1873	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1878	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
	DP(74)	CHROMORHINORRHEA
1884	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1888	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1889	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1893	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL
1898	WP(4- 12)	AUTONOMIC FUNCTIONS APPEARED NORMAL

WP = WEEK POSTPARTUM DG = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY
SUBSET 1			
2002	12.	18.	26.
2008	8.	14.	19.
2022	10.	18.	27.
2031	10.	16.	27.
2036	10.	18.	30.
2047	10.	18.	28.
2050	10.	18.	30.
2057	11.	18.	30.
2062	8.	14.	25.
2067	10.	18.	29.
2068	14.	23.	35.
2070	11.	20.	30.
2072	12.	20.	32.
2077	12.	21.	31.
2081	10.	18.	28.
2085	10.	17.	30.
2086	11.	19.	29.
2090	13.	22.	32.
2094	10.	17.	27.
2096	12.	19.	31.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY								
SUBSET 2													
1302	11.	17.	26.	32.	44.	60.	54.	103.	168.	239.	300.	363.	402.
1308	9.	15.	23.	28.	36.	51.	54.	93.	152.	213.	263.	312.	353.
1322	10.	17.	27.	32.	43.	57.	58.	97.	150.	209.	270.	315.	358.
1331	10.	16.	26.	33.	44.	58.	59.	102.	167.	230.	292.	355.	396.
1336	10.	18.	30.	38.	53.	69.	73.	124.	203.	272.	346.	421.	467.
1347	10.	17.	29.	37.	47.	57.	60.	109.	172.	233.	293.	354.	418.
1350	10.	18.	30.	38.	51.	65.	67.	114.	184.	250.	312.	372.	427.
1357	10.	16.	27.	34.	46.	59.	60.	100.	156.	221.	275.	332.	375.
1362	9.	15.	25.	33.	44.	56.	62.	97.	158.	225.	293.	358.	403.
1367	9.	16.	26.	32.	43.	54.	59.	106.	161.	216.	275.	332.	370.
1368	14.	22.	32.	39.	51.	72.	78.	129.	195.	261.	328.	387.	431.
1370	12.	21.	31.	37.	50.	69.	76.	128.	198.	266.	333.	402.	451.
1372	12.	21.	32.	39.	51.	72.	76.	125.	185.	254.	320.	382.	421.
1377	12.	20.	31.	37.	48.	64.	70.	120.	180.	247.	323.	388.	416.
1381	10.	17.	27.	33.	45.	60.	63.	110.	174.	240.	296.	347.	384.
1385	10.	16.	27.	34.	45.	56.	58.	101.	155.	213.	269.	318.	356.
1386	11.	18.	28.	36.	46.	63.	67.	104.	151.	202.	245.	295.	331.
1390	14.	22.	34.	43.	56.	76.	83.	137.	205.	278.	344.	414.	464.
1394	11.	18.	29.	37.	50.	64.	65.	115.	174.	240.	299.	378.	418.
1396	13.	20.	31.	38.	49.	68.	73.	127.	193.	256.	317.	384.	430.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(*SPONSOR'S STUDY NUMBER: 7757A210-1096-25F*)

TABLE C14 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY
SUBSET 2			
1302	442.	499.	533.
1308	380.	407.	429.
1322	377.	409.	442.
1331	426.	461.	486.
1336	504.	541.	570.
1347	431.	474.	449.
1350	467.	501.	492.
1357	406.	429.	451.
1362	447.	477.	501.
1367	398.	388.	444.
1368	462.	485.	516.
1370	494.	531.	568.
1372	454.	479.	511.
1377	457.	508.	532.
1381	426.	451.	480.
1385	382.	364.	391.
1386	364.	389.	413.
1390	503.	549.	574.
1394	460.	504.	540.
1396	473.	504.	529.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY								
SUBSET 3													
1402	12.	18.	28.	33.	43.	61.	68.	116.	176.	238.	295.	351.	400.
1408	8.	14.	19.	25.	32.	46.	50.	87.	139.	196.	260.	306.	348.
1422	10.	17.	28.	34.	45.	61.	62.	109.	165.	234.	300.	351.	386.
1431	11.	16.	24.	31.	39.	54.	57.	98.	158.	218.	281.	331.	377.
1436	10.	18.	31.	38.	48.	65.	68.	115.	172.	220.	275.	323.	366.
1447	11.	18.	30.	36.	46.	59.	61.	109.	170.	241.	310.	373.	425.
1450	10.	18.	31.	37.	49.	64.	67.	113.	185.	246.	307.	368.	420.
1457	10.	17.	28.	34.	44.	60.	65.	107.	164.	220.	279.	321.	355.
1462	10.	15.	25.	33.	41.	54.	60.	106.	162.	232.	298.	362.	418.
1467	10.	18.	29.	36.	48.	64.	66.	120.	187.	252.	326.	392.	434.
1468	15.	24.	36.	43.	56.	76.	85.	132.	193.	255.	321.	366.	418.
1470	10.	19.	28.	34.	46.	58.	67.	112.	169.	225.	287.	340.	390.
1472	12.	21.	32.	40.	50.	68.	66.	118.	184.	256.	323.	382.	429.
1477	13.	22.	32.	38.	50.	64.	71.	117.	173.	242.	316.	386.	438.
1481	10.	18.	28.	34.	41.	53.	56.	106.	168.	228.	284.	332.	379.
1485	10.	16.	27.	33.	45.	59.	60.	106.	167.	226.	290.	338.	380.
1486	10.	17.	27.	32.	41.	56.	60.	104.	162.	217.	273.	322.	359.
1490	13.	23.	34.	40.	52.	71.	76.	133.	194.	254.	312.	370.	408.
1494	10.	16.	26.	32.	41.	53.	60.	104.	151.	199.	245.	295.	326.
1496	12.	20.	30.	35.	46.	61.	67.	117.	180.	236.	298.	351.	390.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 5): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY								
SUBSET 4													
1502	11.	18.	28.	33.	46.	65.	69.	118.	178.	247.	328.	377.	424.
1508	9.	16.	23.	29.	38.	54.	59.	97.	141.	199.	258.	310.	352.
1522	10.	17.	28.	34.	47.	62.	62.	109.	167.	230.	293.	344.	389.
1531	10.	16.	25.	31.	43.	59.	63.	106.	170.	241.	320.	376.	430.
1536	11.	20.	32.	40.	52.	69.	72.	117.	172.	234.	289.	343.	386.
1547	11.	17.	28.	37.	45.	59.	64.	105.	162.	223.	282.	343.	393.
1550	9.	16.	29.	37.	49.	59.	60.	109.	165.	224.	282.	340.	398.
1557	10.	18.	29.	35.	48.	62.	62.	107.	163.	228.	293.	341.	388.
1562	10.	16.	27.	33.	42.	56.	59.	108.	172.	239.	310.	368.	420.
1567	10.	18.	28.	36.	48.	62.	66.	115.	185.	245.	300.	342.	383.
1568	14.	22.	33.	41.	54.	72.	78.	122.	182.	250.	318.	388.	431.
1570	12.	20.	30.	37.	49.	67.	73.	126.	188.	247.	310.	363.	411.
1572	13.	22.	33.	40.	50.	70.	73.	119.	177.	244.	298.	359.	403.
1577	12.	20.	28.	35.	48.	65.	69.	113.	162.	219.	279.	343.	387.
1581	12.	19.	30.	36.	48.	63.	57.	109.	168.	232.	299.	348.	393.
1585	10.	17.	28.	34.	44.	57.	61.	103.	161.	219.	277.	326.	357.
1586	10.	17.	26.	34.	43.	56.	60.	97.	149.	200.	252.	297.	337.
1590	13.	23.	34.	43.	57.	78.	81.	136.	197.	257.	312.	371.	416.
1594	11.	19.	30.	38.	50.	64.	68.	119.	193.	276.	346.	421.	478.
1596	13.	22.	33.	40.	51.	69.	74.	127.	198.	266.	329.	390.	434.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 6): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79
RAT #	MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY
SUBSET 4		
1502	464.	493.
1508	381.	404.
1522	418.	449.
1531	473.	485.
1536	418.	450.
1547	438.	470.
1550	439.	469.
1557	424.	458.
1562	464.	515.
1567	420.	431.
1568	467.	513.
1570	454.	493.
1572	443.	474.
1577	434.	464.
1581	430.	470.
1585	376.	407.
1586	364.	400.
1590	453.	477.
1594	523.	540.
1596	480.	516.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 7): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY
SUBSET 1			
2005	8.	13.	22.
2006	9.	16.	26.
2011	11.	18.	28.
2012	10.	16.	26.
2013	10.	18.	28.
2018	12.	21.	34.
2046	12.	20.	31.
2053	9.	15.	27.
2055	10.	16.	26.
2056	10.	17.	27.
2060	8.	14.	24.
2063	10.	15.	26.
2069	11.	18.	29.
2071	12.	21.	34.
2075	10.	18.	30.
2079	10.	18.	28.
2082	12.	18.	28.
2095	11.	18.	30.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 8): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
SUBSET 2													
1305	7.	11.	20.	27.	38.	48.	49.	90.	147.	214.	271.	322.	358.
1306	9.	15.	26.	32.	45.	58.	58.	107.	177.	246.	318.	380.	430.
1311	10.	16.	26.	33.	44.	61.	65.	114.	182.	252.	321.	383.	435.
1312	10.	16.	29.	37.	50.	61.	67.	118.	188.	252.	316.	384.	433.
1313	11.	17.	27.	34.	43.	53.	54.	101.	169.	230.	289.	343.	383.
1318	12.	20.	31.	38.	48.	64.	66.	116.	180.	254.	319.	387.	439.
1334	10.	17.	29.	35.	46.	60.	63.	112.	182.	252.	323.	389.	442.
1346	12.	21.	33.	39.	52.	66.	63.	119.	186.	252.	321.	384.	429.
1353	10.	15.	27.	34.	47.	60.	66.	112.	177.	245.	312.	386.	444.
1355	10.	17.	26.	28.	36.	51.	55.	105.	163.	228.	281.	343.	385.
1356	10.	17.	26.	33.	43.	59.	62.	113.	175.	240.	306.	378.	431.
1360	8.	15.	24.	30.	43.	59.	64.	108.	161.	224.	287.	352.	409.
1363	10.	15.	25.	33.	44.	57.	62.	110.	173.	232.	297.	364.	422.
1369	11.	18.	30.	36.	46.	62.	70.	120.	192.	258.	328.	366.	434.
1371	11.	20.	32.	39.	54.	73.	80.	134.	205.	278.	351.	422.	490.
1375	10.	17.	29.	36.	46.	61.	63.	108.	169.	229.	290.	356.	409.
1379	11.	19.	28.	37.	49.	68.	72.	127.	199.	266.	350.	422.	475.
1382	11.	18.	28.	34.	43.	62.	65.	111.	167.	228.	280.	338.	374.
1395	11.	19.	31.	38.	49.	68.	71.	118.	179.	243.	300.	371.	422.
1400	8.	9.	15.	18.	28.	38.	35.	69.	120.	176.	232.	287.	329.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 9): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY
SUBSET 2			
1305	378.	414.	425.
1306	466.	500.	540.
1311	478.	507.	542.
1312	477.	509.	538.
1313	421.	451.	473.
1318	478.	521.	556.
1334	464.	494.	527.
1346	460.	490.	518.
1353	488.	527.	552.
1355	412.	440.	463.
1356	469.	504.	530.
1360	436.	478.	507.
1363	461.	496.	523.
1369	476.	508.	539.
1371	537.	582.	614.
1375	455.	496.	530.
1379	529.	566.	596.
1382	408.	439.	460.
1395	458.	502.	535.
1400	354.	387.	416.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 10): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
SUBSET 3													
1405	8.	12.	22.	29.	42.	52.	49.	104.	161.	215.	277.	317.	357.
1406	10.	18.	28.	35.	48.	64.	67.	119.	183.	249.	314.	379.	436.
1411	11.	17.	28.	34.	44.	62.	64.	108.	164.	235.	303.	367.	424.
1412	10.	16.	26.	32.	44.	57.	64.	108.	163.	228.	286.	332.	373.
1413	10.	17.	28.	34.	42.	55.	58.	105.	162.	216.	281.	334.	380.
1418	12.	21.	32.	40.	48.	67.	70.	118.	173.	220.	285.	343.	343.
1434	11.	17.	29.	36.	46.	57.	62.	108.	168.	240.	306.	366.	412.
1446	12.	20.	31.	34.	46.	60.	67.	117.	185.	245.	313.	362.	401.
1453	10.	16.	27.	34.	45.	60.	64.	114.	183.	250.	314.	370.	410.
1455	11.	18.	27.	30.	36.	53.	59.	106.	166.	227.	286.	335.	376.
1456	11.	18.	26.	31.	41.	52.	56.	109.	182.	254.	313.	380.	425.
1460	9.	16.	25.	29.	40.	55.	57.	94.	143.	194.	245.	296.	338.
1463	10.	16.	27.	34.	46.	53.	58.	106.	169.	232.	293.	343.	388.
1469	12.	19.	31.	37.	48.	61.	66.	116.	173.	238.	295.	349.	392.
1471	12.	20.	32.	41.	53.	74.	79.	134.	208.	276.	356.	396.	477.
1475	11.	18.	30.	38.	46.	60.	60.	105.	161.	222.	290.	343.	390.
1479	12.	19.	29.	36.	47.	64.	67.	113.	166.	225.	276.	352.	387.
1482	12.	18.	27.	32.	40.	61.	67.	115.	174.	233.	292.	359.	396.
1495	10.	18.	31.	36.	46.	64.	69.	121.	184.	244.	306.	369.	404.
1500	9.	12.	22.	26.	38.	48.	48.	94.	141.	196.	249.	311.	360.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25P)

TABLE C14 (PAGE 11): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
SUBSET 4													
1505	8.	13.	23.	30.	43.	52.	56.	104.	174.	241.	313.	362.	404.
1506	10.	17.	27.	34.	46.	58.	60.	108.	166.	238.	305.	363.	411.
1511	12.	18.	28.	35.	48.	62.	65.	116.	182.	253.	325.	387.	430.
1512	10.	17.	29.	35.	47.	58.	64.	108.	172.	239.	305.	359.	404.
1513	11.	18.	28.	36.	45.	56.	60.	105.	162.	228.	292.	347.	390.
1518	11.	20.	32.	40.	50.	67.	70.	130.	198.	260.	310.	369.	410.
1534	10.	16.	27.	33.	44.	61.	61.	105.	164.	232.	300.	353.	372.
1546	11.	18.	29.	37.	44.	60.	68.	122.	189.	259.	329.	386.	433.
1553	9.	14.	27.	34.	47.	61.	62.	108.	167.	233.	298.	357.	413.
1555	9.	15.	24.	27.	34.	47.	52.	94.	151.	210.	268.	322.	371.
1556	9.	16.	24.	29.	40.	51.	57.	102.	164.	225.	293.	354.	398.
1560	10.	16.	26.	31.	45.	61.	64.	108.	168.	231.	290.	355.	406.
1563	11.	17.	27.	34.	45.	57.	60.	105.	164.	231.	298.	360.	405.
1569	12.	20.	30.	27.	FOUND DEAD ON DAY 17 POSTPARTUM								
1571	10.	18.	30.	36.	50.	64.	70.	120.	187.	254.	327.	390.	436.
1575	10.	17.	29.	36.	47.	60.	62.	106.	165.	223.	286.	344.	382.
1579	11.	18.	27.	34.	45.	60.	61.	106.	164.	228.	283.	333.	379.
1582	12.	19.	28.	35.	44.	66.	71.	114.	171.	229.	282.	335.	384.
1595	10.	17.	29.	35.	44.	61.	64.	112.	169.	229.	280.	345.	398.
1600	8.	9.	15.	20.	32.	44.	40.	80.	130.	185.	248.	302.	356.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 12): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79
RAT #	MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY
SUBSET 4		
1505	430.	451.
1506	462.	496.
1511	468.	501.
1512	435.	459.
1513	430.	462.
1518	450.	493.
1534	420.	463.
1546	470.	498.
1553	453.	478.
1555	402.	424.
1556	440.	472.
1560	443.	483.
1563	456.	509.
1569	FOUND DEAD ON DAY 17 POSTPARTUM	
1571	480.	517.
1575	431.	467.
1579	403.	438.
1582	419.	453.
1595	438.	475.
1600	399.	429.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 13): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12
RAT #	MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY
SUBSET 1			
2003	10.	18.	28.
2004	10.	15.	25.
2015	11.	18.	30.
2016	8.	10.	20.
2017	10.	16.	28.
2021	12.	19.	30.
2025	12.	19.	30.
2030	10.	16.	28.
2035	12.	19.	30.
2042	12.	20.	31.
2044	10.	16.	28.
2049	10.	17.	27.
2054	8.	12.	22.
2058	11.	18.	29.
2061	9.	18.	28.
2080	13.	20.	32.
2091	8.	14.	24.
2092	11.	18.	28.
2099	10.	17.	25.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 14): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY								
SUBSET 2													
1303	10.	18.	28.	35.	45.	58.	58.	99.	158.	222.	286.	344.	392.
1304	12.	18.	30.	37.	49.	64.	67.	123.	195.	262.	327.	386.	428.
1309	8.	13.	24.	31.	42.	54.	57.	105.	168.	239.	304.	371.	428.
1315	11.	19.	30.	38.	49.	61.	64.	113.	183.	251.	327.	392.	441.
1316	10.	13.	25.	34.	46.	60.	60.	94.	149.	211.	269.	323.	372.
1317	9.	16.	27.	37.	46.	60.	62.	106.	170.	242.	310.	384.	448.
1321	11.	18.	29.	35.	47.	62.	64.	107.	167.	231.	295.	352.	407.
1325	12.	17.	28.	33.	42.	57.	62.	105.	164.	220.	277.	322.	357.
1330	10.	16.	28.	34.	46.	56.	58.	100.	155.	215.	276.	342.	390.
1335	12.	21.	31.	38.	52.	70.	75.	124.	189.	245.	305.	359.	403.
1342	12.	19.	31.	37.	51.	68.	72.	122.	187.	252.	320.	374.	404.
1344	9.	15.	27.	36.	49.	65.	66.	110.	162.	218.	277.	330.	377.
1349	10.	16.	26.	32.	45.	57.	59.	104.	161.	221.	280.	337.	380.
1354	8.	13.	22.	28.	41.	52.	54.	89.	138.	190.	243.	295.	331.
1358	11.	18.	28.	35.	46.	57.	63.	110.	175.	240.	302.	359.	400.
1361	9.	16.	26.	33.	45.	59.	60.	114.	187.	252.	312.	360.	397.
1380	12.	21.	33.	41.	51.	72.	78.	130.	189.	254.	308.	372.	411.
1391	9.	16.	26.	33.	46.	62.	66.	110.	171.	231.	286.	352.	394.
1392	10.	17.	28.	34.	42.	61.	62.	106.	167.	230.	289.	348.	387.
1399	10.	16.	28.	35.	42.	58.	62.	119.	188.	256.	315.	375.	417.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 15): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY
SUBSET 2			
1303	426.	452.	487.
1304	450.	486.	517.
1309	480.	515.	546.
1315	478.	513.	545.
1316	411.	446.	467.
1317	484.	518.	554.
1321	433.	469.	495.
1325	387.	415.	441.
1330	432.	467.	495.
1335	429.	456.	486.
1342	432.	459.	480.
1344	410.	442.	471.
1349	420.	451.	486.
1354	358.	380.	407.
1358	431.	469.	502.
1361	429.	452.	478.
1380	453.	494.	529.
1391	428.	455.	484.
1392	410.	442.	474.
1399	430.	474.	503.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 16): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY								
SUBSET 3													
1403	11.	17.	28.	36.	44.	63.	67.	116.	171.	226.	294.	363.	411.
1404	13.	20.	30.	38.	48.	60.	60.	106.	166.	226.	293.	344.	378.
1409	8.	13.	24.	30.	40.	55.	58.	97.	147.	200.	255.	310.	359.
1415	11.	18.	30.	36.	46.	63.	64.	116.	180.	244.	309.	364.	393.
1416	8.	10.	21.	28.	38.	51.	52.	88.	131.	182.	227.	280.	322.
1417	10.	17.	30.	38.	48.	63.	63.	101.	153.	213.	276.	328.	378.
1421	10.	17.	27.	34.	45.	58.	61.	111.	176.	244.	307.	361.	400.
1425	11.	16.	26.	32.	42.	57.	58.	102.	168.	224.	282.	335.	373.
1430	11.	17.	29.	35.	48.	64.	63.	110.	164.	226.	288.	337.	378.
1435	12.	22.	32.	38.	53.	69.	77.	135.	199.	259.	317.	368.	405.
1442	13.	21.	32.	38.	50.	68.	76.	127.	194.	249.	312.	348.	404.
1444	9.	17.	28.	37.	50.	66.	66.	108.	160.	213.	272.	332.	388.
1449	10.	17.	29.	35.	48.	62.	68.	115.	178.	241.	298.	342.	371.
1454	9.	14.	24.	29.	43.	52.	55.	91.	137.	195.	252.	308.	356.
1458	10.	17.	27.	32.	44.	54.	61.	110.	171.	233.	296.	358.	397.
1461	10.	18.	29.	36.	46.	63.	62.	111.	177.	244.	309.	368.	414.
1480	13.	21.	32.	40.	48.	70.	75.	128.	192.	252.	306.	372.	408.
1491	9.	16.	25.	31.	41.	59.	63.	108.	165.	230.	299.	367.	405.
1492	11.	18.	27.	32.	42.	58.	62.	102.	160.	221.	278.	335.	371.
1499	9.	15.	26.	30.	40.	57.	62.	118.	180.	243.	304.	371.	401.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 17): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY								
SUBSET 4													
1503	11.	18.	28.	35.	45.	60.	67.	118.	181.	242.	311.	361.	408.
1504	12.	19.	29.	37.	48.	61.	61.	104.	160.	226.	288.	339.	378.
1509	9.	15.	26.	33.	46.	60.	65.	118.	182.	252.	318.	380.	437.
1515	11.	17.	28.	35.	46.	60.	66.	109.	168.	233.	300.	360.	420.
1516	8.	10.	20.	28.	40.	51.	52.	90.	135.	194.	247.	301.	350.
1517	10.	16.	28.	36.	44.	59.	61.	103.	158.	223.	280.	345.	390.
1521	12.	20.	30.	37.	49.	64.	62.	117.	180.	244.	293.	349.	400.
1525	12.	18.	30.	36.	46.	61.	64.	109.	170.	231.	290.	341.	380.
1530	9.	16.	26.	32.	45.	59.	58.	101.	161.	221.	281.	341.	398.
1535	11.	20.	30.	36.	49.	65.	70.	115.	170.	234.	295.	346.	390.
1542	13.	22.	32.	39.	55.	74.	78.	126.	192.	262.	342.	402.	454.
1544	8.	14.	24.	33.	44.	58.	59.	100.	151.	206.	260.	311.	354.
1549	10.	17.	28.	34.	48.	60.	63.	111.	166.	228.	298.	356.	402.
1554	8.	14.	25.	31.	44.	56.	58.	104.	160.	217.	275.	321.	370.
1558	10.	17.	28.	34.	45.	57.	62.	109.	170.	232.	298.	356.	410.
1561	10.	18.	29.	36.	47.	65.	64.	117.	185.	247.	308.	359.	401.
1580	12.	20.	30.	38.	49.	67.	72.	119.	180.	243.	304.	362.	415.
1591	10.	17.	27.	35.	45.	66.	69.	119.	188.	263.	332.	393.	458.
1592	11.	19.	29.	36.	45.	60.	66.	110.	170.	233.	295.	350.	396.
1599	10.	16.	26.	32.	41.	58.	64.	119.	188.	263.	326.	388.	454.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 18): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79
RAT #	MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY
SUBSET 4		
1503	438.	468.
1504	403.	421.
1509	477.	526.
1515	455.	492.
1516	392.	425.
1517	425.	465.
1521	435.	468.
1525	406.	436.
1530	434.	472.
1535	423.	450.
1542	508.	549.
1544	388.	421.
1549	444.	475.
1554	416.	449.
1558	469.	509.
1561	442.	465.
1580	450.	482.
1591	485.	525.
1592	425.	454.
1599	492.	516.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 19): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY
SUBSET 1			
2001	10.	16.	25.
2007	10.	18.	30.
2014	12.	20.	32.
2019	9.	16.	28.
2026	10.	16.	26.
2029	10.	18.	28.
2032	10.	16.	26.
2033	8.	13.	23.
2038	9.	16.	26.
2039	10.	17.	28.
2045	13.	20.	32.
2051	11.	19.	29.
2059	11.	18.	28.
2064	11.	18.	29.
2065	9.	16.	25.
2074	12.	20.	30.
2076	12.	19.	29.
2083	13.	22.	35.
2087	11.	18.	29.
2097	8.	14.	25.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 20): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY								
SUBSET 2													
1301	10.	16.	26.	34.	46.	58.	58.	100.	152.	212.	264.	332.	391.
1307	10.	18.	31.	38.	51.	66.	70.	122.	187.	249.	315.	373.	418.
1314	13.	21.	33.	40.	54.	73.	73.	106.	159.	217.	272.	320.	363.
1319	10.	16.	30.	35.	48.	63.	69.	115.	184.	248.	320.	391.	445.
1326	10.	16.	27.	34.	44.	56.	58.	109.	173.	238.	298.	362.	400.
1329	10.	17.	27.	33.	45.	63.	69.	118.	187.	255.	316.	390.	435.
1332	10.	16.	27.	33.	47.	59.	64.	112.	182.	254.	323.	390.	433.
1333	9.	13.	24.	31.	41.	50.	51.	95.	154.	219.	281.	341.	390.
1338	10.	16.	28.	36.	47.	63.	68.	114.	178.	248.	319.	386.	437.
1339	10.	17.	28.	36.	49.	60.	66.	108.	160.	218.	276.	334.	369.
1345	14.	24.	36.	44.	58.	76.	81.	128.	194.	258.	313.	368.	413.
1351	11.	18.	28.	35.	48.	64.	66.	114.	176.	236.	292.	350.	399.
1359	12.	20.	29.	37.	52.	72.	77.	119.	168.	241.	296.	341.	394.
1364	12.	19.	30.	36.	46.	56.	68.	121.	184.	248.	318.	372.	413.
1365	8.	14.	24.	31.	41.	52.	52.	92.	145.	212.	271.	326.	373.
1374	12.	20.	29.	35.	48.	65.	58.	116.	176.	238.	296.	360.	399.
1376	9.	13.	22.	30.	42.	55.	58.	98.	148.	202.	256.	302.	345.
1383	12.	20.	33.	40.	52.	68.	75.	127.	196.	258.	323.	378.	429.
1387	12.	19.	30.	35.	44.	60.	63.	114.	178.	239.	303.	373.	416.
1397	8.	13.	24.	32.	45.	54.	56.	97.	156.	222.	280.	334.	377.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 21): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	72	79	86
RAT #	MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY
SUBSET 2			
1301	429.	465.	492.
1307	449.	487.	516.
1314	398.	432.	453.
1319	497.	536.	560.
1326	426.	456.	480.
1329	481.	528.	550.
1332	460.	481.	503.
1333	417.	444.	465.
1338	483.	523.	543.
1339	402.	433.	458.
1345	448.	486.	437.
1351	434.	469.	490.
1359	428.	472.	506.
1364	432.	472.	491.
1365	399.	431.	455.
1374	438.	483.	510.
1376	382.	420.	444.
1383	469.	505.	528.
1387	443.	477.	498.
1397	412.	442.	465.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 22): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY								
SUBSET 3													
1401	8.	14.	24.	30.	40.	52.	55.	97.	147.	204.	250.	316.	360.
1407	11.	18.	29.	37.	48.	64.	66.	119.	186.	256.	321.	372.	414.
1414	12.	20.	32.	39.	52.	66.	65.	111.	162.	219.	269.	317.	360.
1419	10.	17.	29.	34.	48.	62.	66.	118.	187.	260.	336.	402.	458.
1426	10.	17.	27.	33.	44.	58.	62.	112.	166.	227.	295.	358.	400.
1429	10.	18.	30.	35.	47.	62.	65.	118.	178.	241.	305.	359.	400.
1432	10.	15.	26.	32.	44.	56.	61.	106.	166.	230.	301.	358.	415.
1433	9.	15.	25.	32.	40.	49.	54.	92.	147.	207.	271.	322.	373.
1438	11.	18.	29.	36.	48.	66.	69.	109.	179.	242.	309.	366.	406.
1439	10.	16.	27.	32.	46.	58.	63.	106.	157.	219.	283.	337.	388.
1445	13.	21.	33.	41.	56.	70.	75.	118.	176.	234.	295.	355.	412.
1451	9.	16.	22.	29.	38.	48.	53.	92.	143.	192.	238.	296.	334.
1459	11.	19.	28.	36.	48.	64.	61.	118.	181.	243.	305.	358.	402.
1464	11.	18.	28.	33.	43.	52.	54.	109.	170.	225.	285.	322.	370.
1465	10.	17.	28.	34.	46.	60.	61.	108.	173.	249.	319.	374.	424.
1474	12.	21.	29.	35.	48.	64.	64.	118.	182.	240.	301.	363.	408.
1476	9.	14.	23.	29.	43.	54.	54.	100.	161.	228.	295.	362.	405.
1483	13.	22.	35.	40.	51.	69.	75.	133.	198.	267.	331.	397.	440.
1487	12.	20.	31.	36.	43.	58.	62.	113.	178.	233.	290.	353.	397.
1497	8.	15.	26.	34.	47.	60.	62.	108.	171.	234.	293.	362.	396.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 23): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY								
SUBSET 4													
1501	9.	14.	23.	31.	41.	55.	55.	93.	148.	211.	274.	328.	376.
1507	9.	16.	27.	35.	49.	63.	66.	115.	180.	245.	308.	360.	397.
1514	12.	20.	32.	39.	54.	72.	75.	122.	180.	244.	307.	362.	405.
1519	10.	17.	30.	37.	53.	64.	67.	124.	191.	260.	323.	391.	448.
1526	10.	17.	27.	34.	45.	58.	62.	106.	166.	231.	292.	347.	390.
1529	9.	15.	26.	31.	41.	56.	61.	109.	167.	224.	277.	331.	375.
1532	10.	16.	27.	34.	46.	60.	64.	109.	167.	234.	295.	363.	416.
1533	8.	12.	21.	27.	37.	44.	44.	82.	133.	191.	245.	301.	346.
1538	10.	17.	30.	38.	48.	64.	69.	116.	180.	256.	327.	398.	456.
1539	9.	16.	27.	33.	47.	59.	63.	114.	174.	248.	314.	376.	436.
1545	14.	22.	36.	44.	59.	76.	81.	130.	193.	258.	328.	363.	434.
1551	11.	17.	27.	34.	43.	59.	62.	106.	162.	220.	284.	325.	370.
1559	11.	20.	29.	36.	50.	68.	73.	117.	179.	249.	314.	358.	405.
1564	11.	18.	28.	34.	44.	51.	60.	105.	169.	234.	300.	340.	383.
1565	9.	15.	26.	33.	44.	57.	58.	99.	156.	221.	276.	336.	383.
1574	11.	20.	29.	36.	50.	69.	72.	123.	193.	264.	335.	396.	449.
1576	11.	17.	26.	32.	46.	59.	62.	114.	180.	251.	322.	372.	448.
1583	13.	22.	34.	42.	52.	69.	73.	120.	184.	245.	307.	358.	417.
1587	10.	18.	28.	35.	43.	58.	62.	109.	172.	228.	290.	351.	400.
1597	8.	14.	25.	33.	46.	57.	51.	101.	159.	222.	279.	333.	377.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 24): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79
RAT #	MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY
SUBSET 4		
1501	394.	432.
1507	427.	459.
1514	442.	481.
1519	500.	543.
1526	431.	464.
1529	405.	431.
1532	450.	486.
1533	381.	415.
1538	501.	536.
1539	477.	520.
1545	483.	536.
1551	409.	439.
1559	448.	475.
1564	411.	454.
1565	422.	456.
1574	499.	546.
1576	500.	542.
1583	446.	486.
1587	438.	472.
1597	419.	449.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 25): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY
SUBSET 1			
2010	11.	18.	28.
2020	10.	18.	29.
2023	12.	20.	30.
2024	12.	20.	31.
2027	13.	20.	33.
2028	10.	16.	26.
2037	10.	17.	27.
2040	10.	16.	25.
2041	9.	16.	28.
2043	10.	16.	26.
2048	14.	20.	32.
2052	12.	19.	30.
2066	9.	13.	22.
2073	8.	13.	23.
2078	12.	19.	31.
2084	8.	12.	21.
2088	14.	24.	36.
2089	13.	23.	36.
2093	11.	18.	29.
2098	9.	17.	28.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 26): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY								
SUBSET 2													
1310	12.	20.	30.	36.	48.	68.	71.	120.	190.	244.	313.	388.	445.
1320	11.	18.	29.	37.	52.	66.	65.	114.	176.	238.	302.	361.	407.
1323	11.	18.	30.	36.	50.	66.	73.	123.	189.	256.	328.	390.	439.
1324	14.	22.	33.	41.	52.	68.	71.	116.	175.	236.	284.	335.	380.
1327	12.	19.	31.	39.	48.	66.	72.	112.	181.	242.	310.	372.	424.
1328	10.	16.	26.	34.	42.	55.	58.	96.	153.	211.	270.	323.	370.
1337	11.	19.	29.	37.	50.	66.	70.	120.	193.	265.	333.	408.	461.
1340	12.	20.	32.	39.	52.	66.	71.	122.	189.	258.	326.	398.	444.
1341	9.	16.	27.	34.	48.	59.	62.	114.	181.	258.	320.	378.	420.
1343	11.	17.	28.	35.	48.	63.	69.	120.	182.	244.	307.	368.	421.
1348	13.	20.	32.	39.	51.	68.	74.	124.	189.	254.	317.	375.	428.
1352	10.	18.	28.	34.	46.	61.	65.	104.	159.	222.	281.	335.	373.
1366	8.	13.	22.	27.	39.	50.	52.	90.	132.	190.	250.	304.	354.
1373	11.	17.	27.	34.	44.	54.	56.	94.	150.	207.	265.	318.	341.
1378	11.	16.	27.	34.	47.	62.	65.	111.	173.	240.	297.	354.	396.
1384	9.	14.	25.	31.	35.	47.	51.	96.	155.	216.	272.	330.	370.
1388	13.	23.	35.	43.	56.	77.	82.	128.	195.	267.	339.	412.	465.
1389	13.	22.	34.	43.	56.	76.	81.	138.	208.	274.	338.	407.	459.
1393	12.	19.	29.	36.	46.	63.	66.	110.	177.	241.	302.	359.	400.
1398	9.	16.	27.	34.	46.	60.	62.	112.	178.	241.	300.	363.	396.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 27): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY
SUBSET 2			
1310	486.	531.	567.
1320	443.	473.	496.
1323	464.	495.	536.
1324	402.	434.	465.
1327	458.	493.	523.
1328	410.	452.	481.
1337	493.	538.	559.
1340	500.	547.	569.
1341	FOUND DEAD ON DAY 68 POSTPARTUM		
1343	458.	499.	519.
1348	467.	505.	538.
1352	406.	443.	474.
1366	380.	422.	450.
1373	382.	413.	437.
1378	420.	460.	489.
1384	400.	441.	462.
1388	508.	549.	590.
1389	491.	529.	553.
1393	425.	456.	480.
1398	429.	451.	471.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 28): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY								
SUBSET 3													
1410	12.	19.	29.	35.	46.	64.	67.	124.	189.	256.	333.	397.	441.
1420	10.	18.	30.	37.	48.	66.	66.	117.	180.	239.	304.	354.	399.
1423	11.	19.	30.	37.	47.	64.	71.	120.	178.	239.	305.	370.	416.
1424	13.	21.	33.	39.	49.	68.	69.	114.	162.	210.	266.	320.	359.
1427	13.	21.	34.	41.	52.	72.	72.	119.	181.	246.	315.	379.	434.
1428	10.	15.	25.	31.	39.	52.	56.	101.	155.	220.	283.	345.	390.
1437	10.	18.	29.	37.	47.	62.	66.	113.	168.	225.	285.	336.	380.
1440	10.	18.	27.	34.	44.	58.	62.	109.	167.	226.	285.	347.	400.
1441	10.	17.	27.	36.	50.	59.	61.	114.	177.	240.	305.	369.	415.
1443	10.	17.	28.	35.	46.	61.	63.	108.	165.	231.	293.	355.	405.
1448	13.	20.	32.	39.	50.	61.	70.	128.	198.	274.	348.	379.	470.
1452	11.	18.	29.	35.	48.	56.	60.	99.	152.	212.	274.	332.	383.
1466	8.	13.	22.	26.	38.	47.	49.	88.	138.	199.	262.	319.	371.
1473	10.	16.	27.	32.	43.	52.	55.	93.	141.	190.	245.	300.	341.
1478	11.	17.	28.	32.	45.	61.	62.	115.	182.	245.	310.	369.	408.
1484	10.	16.	28.	36.	49.	64.	66.	116.	180.	236.	291.	356.	397.
1488	12.	23.	35.	41.	52.	71.	78.	138.	210.	280.	345.	423.	468.
1489	13.	23.	34.	42.	54.	72.	77.	134.	205.	265.	321.	392.	425.
1493	11.	19.	30.	36.	45.	61.	65.	112.	173.	237.	298.	345.	377.
1498	10.	17.	30.	36.	48.	62.	64.	107.	165.	220.	279.	337.	374.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 29): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY								
SUBSET 4													
1510	11.	19.	28.	34.	48.	63.	67.	119.	184.	247.	312.	373.	413.
1520	10.	18.	29.	36.	48.	62.	63.	117.	182.	245.	315.	377.	426.
1523	11.	19.	30.	37.	51.	67.	73.	130.	197.	266.	340.	406.	465.
1524	14.	21.	33.	40.	51.	68.	74.	118.	175.	237.	301.	356.	410.
1527	12.	20.	28.	36.	46.	63.	69.	127.	196.	272.	340.	413.	460.
1528	10.	18.	26.	33.	41.	54.	57.	104.	161.	230.	284.	353.	403.
1537	11.	19.	28.	37.	48.	65.	68.	116.	175.	241.	298.	359.	418.
1540	10.	16.	27.	34.	45.	61.	63.	108.	168.	239.	306.	370.	431.
1541	10.	17.	29.	37.	51.	61.	62.	112.	179.	256.	332.	393.	452.
1543	11.	18.	28.	35.	47.	60.	63.	113.	177.	243.	305.	368.	422.
1548	14.	20.	32.	40.	51.	66.	69.	122.	182.	249.	318.	386.	432.
1552	11.	18.	29.	35.	47.	60.	61.	101.	153.	214.	278.	324.	367.
1566	8.	13.	24.	29.	41.	53.	55.	100.	158.	220.	286.	339.	382.
1573	11.	17.	28.	34.	45.	57.	61.	102.	151.	208.	260.	313.	357.
1578	10.	16.	28.	32.	46.	63.	63.	110.	170.	235.	303.	350.	396.
1584	11.	17.	28.	36.	49.	65.	72.	118.	180.	241.	295.	353.	402.
1588	13.	24.	36.	45.	56.	77.	84.	141.	216.	293.	362.	435.	507.
1589	11.	20.	30.	37.	45.	60.	64.	108.	170.	226.	275.	330.	372.
1593	12.	18.	29.	36.	46.	61.	65.	111.	184.	255.	318.	374.	414.
1598	10.	17.	27.	34.	46.	61.	64.	102.	154.	209.	262.	318.	360.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C14 (PAGE 30): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 72	79
RAT #	MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY
SUBSET 4		
1510	444.	473.
1520	468.	491.
1523	518.	535.
1524	450.	484.
1527	512.	554.
1528	448.	484.
1537	454.	510.
1540	478.	523.
1541	490.	531.
1543	438.	486.
1548	480.	524.
1552	413.	442.
1566	424.	458.
1573	387.	430.
1578	430.	471.
1584	441.	479.
1588	554.	574.
1589	365.	374.
1593	448.	478.
1598	406.	433.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY
SUBSET 1			
2102	11.	18.	27.
2108	7.	12.	20.
2122	9.	15.	25.
2131	10.	16.	26.
2136	10.	18.	29.
2147	10.	18.	30.
2150	9.	16.	27.
2157	10.	16.	26.
2162	9.	14.	24.
2167	10.	19.	29.
2168	14.	22.	28.
2170	12.	20.	29.
2172	12.	20.	31.
2177	11.	19.	29.
2181	10.	16.	25.
2185	10.	17.	28.
2186	10.	16.	25.
2190	12.	21.	31.
2194	9.	17.	27.
2196	12.	19.	30.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY								
SUBSET 2													
1602	11.	18.	28.	33.	45.	63.	65.	108.	151.	180.	224.	243.	269.
1608	8.	14.	22.	27.	35.	49.	51.	87.	129.	156.	188.	209.	227.
1622	10.	17.	27.	32.	44.	58.	60.	107.	125.	184.	212.	225.	254.
1631	10.	15.	25.	32.	43.	55.	57.	90.	129.	165.	191.	212.	234.
1636	10.	18.	30.	37.	47.	64.	65.	103.	142.	172.	198.	226.	231.
1647	10.	17.	28.	36.	46.	58.	60.	104.	146.	187.	214.	243.	268.
1650	10.	17.	29.	37.	50.	62.	64.	104.	146.	181.	207.	232.	248.
1657	10.	16.	28.	34.	47.	61.	63.	99.	116.	174.	195.	215.	232.
1662	9.	14.	25.	34.	43.	54.	58.	97.	141.	174.	197.	212.	244.
1667	10.	18.	29.	36.	48.	61.	63.	110.	154.	187.	213.	245.	265.
1668	13.	20.	30.	37.	46.	66.	71.	110.	143.	168.	192.	213.	228.
1670	10.	18.	26.	33.	44.	57.	60.	91.	122.	147.	172.	198.	206.
1672	12.	21.	31.	39.	49.	70.	74.	120.	162.	191.	223.	257.	277.
1677	11.	18.	27.	34.	46.	58.	62.	101.	142.	162.	190.	198.	223.
1681	10.	17.	28.	35.	45.	58.	60.	100.	144.	176.	193.	215.	234.
1685	10.	18.	30.	36.	46.	60.	64.	105.	148.	180.	193.	222.	228.
1686	10.	17.	26.	33.	42.	56.	57.	89.	129.	152.	176.	190.	213.
1690	12.	21.	33.	40.	52.	70.	74.	117.	149.	176.	172.	208.	220.
1694	10.	18.	28.	36.	45.	60.	54.	91.	130.	157.	181.	202.	211.
1696	12.	19.	30.	36.	47.	66.	67.	111.	157.	192.	224.	246.	274.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY
SUBSET 2			
1602	292.	283.	303.
1608	242.	251.	259.
1622	264.	272.	271.
1631	249.	251.	264.
1636	236.	252.	260.
1647	277.	283.	291.
1650	262.	274.	283.
1657	244.	254.	257.
1662	255.	286.	294.
1667	244.	273.	288.
1668	228.	231.	238.
1670	220.	236.	239.
1672	293.	302.	322.
1677	234.	236.	241.
1681	245.	254.	264.
1685	253.	258.	264.
1686	231.	236.	248.
1690	231.	238.	247.
1694	228.	238.	250.
1696	290.	300.	306.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY								
SUBSET 3													
1702	11.	18.	28.	34.	42.	62.	66.	87.	150.	175.	195.	220.	240.
1708	8.	13.	18.	22.	30.	43.	47.	74.	103.	133.	156.	178.	201.
1722	9.	16.	26.	31.	40.	52.	53.	84.	124.	159.	175.	194.	212.
1731	9.	15.	25.	32.	40.	54.	54.	89.	124.	156.	179.	193.	214.
1736	11.	19.	30.	37.	48.	60.	64.	103.	114.	173.	197.	221.	238.
1747	10.	18.	30.	36.	44.	59.	62.	95.	145.	186.	207.	235.	255.
1750	9.	16.	28.	35.	46.	58.	61.	103.	144.	174.	198.	216.	240.
1757	10.	17.	28.	34.	45.	60.	62.	98.	138.	172.	202.	236.	244.
1762	9.	15.	25.	33.	42.	54.	57.	99.	138.	176.	202.	227.	243.
1767	8.	14.	23.	29.	40.	52.	53.	96.	137.	175.	203.	230.	251.
1768	13.	21.	31.	37.	47.	62.	67.	104.	136.	162.	181.	201.	210.
1770	12.	20.	30.	36.	49.	63.	70.	114.	156.	192.	214.	246.	270.
1772	11.	19.	29.	35.	44.	59.	61.	100.	138.	164.	192.	212.	246.
1777	12.	20.	29.	36.	49.	63.	67.	110.	153.	177.	200.	229.	244.
1781	10.	16.	26.	33.	43.	55.	60.	102.	148.	178.	190.	216.	233.
1785	11.	18.	31.	37.	47.	59.	61.	102.	148.	184.	200.	231.	248.
1786	10.	17.	27.	32.	41.	59.	63.	97.	136.	165.	194.	214.	225.
1790	12.	21.	32.	37.	48.	65.	69.	113.	146.	170.	185.	212.	250.
1794	10.	17.	28.	33.	43.	54.	57.	102.	150.	186.	209.	232.	252.
1796	11.	18.	29.	34.	44.	58.	63.	101.	132.	163.	186.	207.	220.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 5): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY								
SUBSET 4													
1802	11.	17.	26.	34.	44.	60.	65.	107.	149.	185.	208.	233.	257.
1808	8.	14.	22.	26.	34.	51.	53.	82.	115.	145.	162.	189.	197.
1822	8.	15.	25.	30.	42.	56.	58.	95.	133.	163.	192.	199.	216.
1831	9.	15.	25.	32.	40.	53.	58.	86.	126.	163.	182.	204.	226.
1836	10.	17.	29.	36.	47.	62.	66.	100.	134.	173.	198.	229.	256.
1847	9.	15.	23.	29.	37.	47.	51.	85.	122.	151.	176.	197.	222.
1850	9.	16.	28.	36.	48.	58.	60.	96.	140.	181.	206.	231.	254.
1857	10.	16.	26.	32.	46.	58.	54.	96.	135.	174.	213.	239.	254.
1862	9.	15.	25.	33.	42.	54.	56.	97.	136.	172.	195.	217.	244.
1867	9.	16.	26.	33.	45.	56.	60.	76.	128.	169.	196.	222.	246.
1868	14.	21.	31.	36.	46.	63.	68.	104.	137.	161.	184.	189.	214.
1870	11.	19.	27.	34.	46.	62.	64.	103.	151.	188.	211.	239.	263.
1872	12.	21.	31.	38.	48.	64.	66.	109.	148.	182.	200.	228.	248.
1877	12.	20.	30.	37.	50.	65.	71.	110.	159.	201.	230.	259.	289.
1881	10.	16.	27.	34.	45.	62.	66.	102.	143.	183.	214.	243.	243.
1885	10.	17.	28.	35.	45.	57.	60.	97.	134.	166.	185.	198.	217.
1886	11.	18.	27.	34.	44.	58.	62.	94.	130.	159.	170.	195.	207.
1890	13.	22.	32.	40.	53.	68.	71.	112.	149.	175.	199.	201.	215.
1894	10.	17.	27.	35.	47.	57.	60.	98.	144.	178.	207.	236.	254.
1896	12.	18.	29.	35.	46.	61.	64.	100.	131.	160.	179.	202.	218.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 6): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	72	79
RAT #	MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY
SUBSET 4		
1802	278.	286.
1808	217.	224.
1822	221.	233.
1831	240.	245.
1836	274.	286.
1847	233.	253.
1850	275.	289.
1857	281.	294.
1862	260.	272.
1867	262.	275.
1868	220.	239.
1870	274.	283.
1872	271.	289.
1877	305.	318.
1881	266.	280.
1885	222.	237.
1886	211.	219.
1890	219.	244.
1894	258.	270.
1896	229.	240.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 7): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY
SUBSET 1			
2105	6.	8.	10.
2106	10.	16.	26.
2111	10.	17.	27.
2112	11.	18.	29.
2113	11.	17.	28.
2118	11.	19.	32.
2134	10.	16.	27.
2146	9.	20.	26.
2153	9.	14.	26.
2155	11.	17.	26.
2156	10.	16.	24.
2160	9.	16.	25.
2163	10.	16.	26.
2169	12.	18.	29.
2171	10.	18.	30.
2175	9.	16.	27.
2179	11.	18.	27.
2182	11.	17.	26.
2195	9.	15.	26.
2200	7.	7.	9.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 8): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
SUBSET 2													
1605	6.	9.	15.	22.	34.	43.	45.	82.	120.	150.	177.	199.	220.
1606	9.	16.	27.	34.	45.	60.	60.	98.	142.	177.	211.	237.	258.
1611	11.	18.	28.	34.	45.	60.	62.	108.	153.	189.	219.	254.	275.
1612	10.	18.	29.	36.	46.	59.	62.	104.	142.	174.	194.	202.	233.
1613	10.	16.	26.	33.	41.	50.	51.	89.	116.	140.	161.	182.	192.
1618	12.	20.	32.	40.	49.	66.	67.	110.	155.	194.	216.	236.	269.
1634	10.	16.	27.	34.	42.	56.	56.	98.	137.	169.	183.	204.	217.
1646	11.	16.	30.	35.	47.	58.	62.	104.	134.	171.	200.	214.	238.
1653	9.	14.	24.	32.	44.	57.	61.	103.	149.	189.	220.	243.	274.
1655	8.	14.	22.	26.	34.	46.	49.	91.	138.	177.	211.	234.	277.
1656	9.	15.	23.	30.	39.	51.	54.	88.	124.	158.	180.	212.	236.
1660	10.	16.	26.	32.	44.	59.	64.	105.	143.	174.	193.	225.	241.
1663	10.	14.	23.	30.	43.	51.	55.	95.	132.	174.	212.	236.	254.
1669	12.	19.	29.	35.	46.	60.	66.	102.	142.	170.	180.	205.	226.
1671	12.	20.	33.	40.	55.	73.	78.	123.	162.	194.	215.	264.	282.
1675	8.	15.	25.	31.	41.	54.	58.	96.	132.	156.	178.	203.	216.
1679	12.	19.	29.	36.	47.	63.	57.	108.	156.	183.	208.	220.	252.
1682	12.	19.	28.	35.	44.	64.	67.	108.	142.	164.	184.	207.	218.
1695	10.	17.	29.	36.	45.	62.	64.	106.	145.	176.	196.	214.	230.
1700	7.	8.	15.	18.	28.	39.	38.	73.	110.	142.	168.	198.	202.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 9): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY
SUBSET 2			
1605	234.	261.	267.
1606	281.	297.	314.
1611	286.	300.	320.
1612	241.	250.	248.
1613	217.	225.	232.
1618	274.	288.	292.
1634	233.	245.	249.
1646	261.	274.	269.
1653	302.	317.	322.
1655	296.	302.	298.
1656	252.	264.	281.
1660	250.	270.	281.
1663	285.	301.	309.
1669	233.	245.	259.
1671	294.	308.	330.
1675	225.	238.	246.
1679	261.	279.	285.
1682	242.	252.	263.
1695	246.	255.	256.
1700	FOUND DEAD ON DAY 67 POSTPARTUM		

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 10): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
SUBSET 3													
1705	7.	12.	20.	26.	37.	46.	47.	86.	127.	158.	183.	205.	228.
1706	9.	15.	25.	33.	43.	56.	57.	96.	132.	166.	195.	216.	237.
1711	11.	18.	28.	33.	43.	59.	62.	102.	147.	194.	219.	252.	270.
1712	10.	17.	29.	36.	48.	62.	68.	111.	157.	186.	202.	229.	243.
1713	9.	15.	24.	31.	38.	48.	48.	88.	125.	154.	184.	206.	223.
1718	11.	20.	30.	36.	46.	62.	61.	108.	152.	177.	194.	217.	261.
1734	9.	15.	26.	33.	43.	55.	55.	96.	136.	179.	210.	236.	259.
1746	12.	20.	30.	36.	46.	61.	66.	108.	139.	172.	195.	216.	234.
1753	9.	16.	26.	34.	46.	59.	57.	95.	140.	173.	200.	230.	255.
1755	9.	15.	25.	28.	34.	48.	53.	92.	135.	169.	192.	204.	226.
1756	10.	16.	24.	28.	37.	50.	53.	102.	149.	188.	216.	244.	266.
1760	10.	18.	28.	33.	45.	60.	64.	105.	152.	182.	200.	239.	253.
1763	9.	14.	23.	29.	41.	50.	54.	90.	125.	159.	182.	197.	212.
1769	12.	18.	30.	35.	45.	58.	64.	100.	143.	173.	190.	220.	235.
1771	12.	22.	34.	43.	56.	74.	78.	127.	182.	227.	257.	304.	322.
1775	10.	18.	30.	35.	45.	59.	62.	100.	140.	174.	203.	228.	243.
1779	11.	18.	26.	32.	43.	62.	65.	111.	159.	196.	226.	248.	276.
1782	12.	18.	28.	32.	41.	62.	68.	107.	144.	176.	209.	229.	243.
1795	10.	15.	27.	33.	42.	58.	61.	99.	136.	161.	180.	205.	218.
1800	8.	11.	21.	25.	36.	46.	45.	85.	133.	172.	212.	241.	274.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 11): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
SUBSET 4													
1805	5.	7.	13.	18.	29.	36.	36.	73.	116.	151.	178.	196.	212.
1806	9.	15.	24.	32.	44.	59.	60.	97.	139.	170.	195.	223.	247.
1811	9.	16.	26.	32.	FOUND DEAD ON DAY 17 POSTPARTUM								
1812	11.	17.	27.	36.	45.	58.	61.	103.	142.	174.	192.	217.	232.
1813	10.	16.	26.	33.	42.	52.	54.	96.	136.	170.	191.	209.	230.
1818	10.	18.	30.	38.	48.	62.	62.	104.	143.	174.	196.	218.	237.
1834	10.	16.	27.	34.	45.	53.	57.	89.	132.	167.	193.	214.	248.
1846	11.	19.	29.	34.	44.	57.	60.	104.	145.	183.	199.	222.	243.
1853	9.	15.	25.	31.	42.	55.	60.	94.	133.	170.	201.	228.	249.
1855	9.	16.	25.	28.	34.	50.	55.	76.	124.	163.	186.	214.	244.
1856	10.	17.	25.	32.	41.	56.	63.	100.	139.	174.	203.	225.	254.
1860	10.	18.	27.	33.	46.	62.	66.	114.	161.	201.	233.	267.	298.
1863	10.	14.	24.	30.	41.	52.	56.	94.	136.	166.	187.	202.	223.
1869	11.	18.	28.	34.	45.	55.	61.	102.	142.	175.	190.	225.	243.
1871	12.	19.	32.	40.	54.	68.	71.	115.	165.	201.	226.	250.	270.
1875	9.	16.	28.	34.	44.	56.	58.	95.	134.	174.	197.	220.	248.
1879	10.	17.	27.	34.	44.	59.	63.	104.	150.	162.	206.	232.	254.
1882	10.	17.	26.	31.	40.	60.	62.	94.	126.	148.	167.	182.	199.
1895	10.	16.	28.	35.	44.	60.	64.	104.	146.	185.	214.	a	
1900	7.	7.	9.	12.	19.	28.	23.	MORIBUND SACRIFICED ON DAY 24 POSTPARTUM					

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Rat 1895 was moribund sacrificed on day 52 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 12): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	72	79
RAT #	MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY
SUBSET 4		
1805	227.	241.
1806	266.	278.
1811	FOUND DEAD ON DAY 17 POSTPARTUM	
1812	240.	252.
1813	248.	254.
1818	237.	249.
1834	266.	279.
1846	255.	273.
1853	271.	292.
1855	272.	270.
1856	269.	298.
1860	302.	316.
1863	232.	242.
1869	254.	271.
1871	282.	289.
1875	266.	287.
1879	267.	286.
1882	209.	214.
1895	MORIBUND SACRIFICED ON DAY 52 POSTPARTUM	
1900	MORIBUND SACRIFICED ON DAY 24 POSTPARTUM	

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 13): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY
SUBSET 1			
2103	11.	18.	29.
2104	11.	17.	28.
2109	8.	12.	21.
2115	11.	16.	28.
2116	8.	12.	23.
2117	10.	16.	28.
2121	11.	18.	28.
2125	10.	16.	26.
2130	9.	15.	26.
2135	11.	18.	29.
2142	12.	20.	31.
2144	9.	16.	27.
2149	9.	16.	27.
2154	8.	12.	23.
2158	10.	16.	26.
2161	8.	15.	25.
2180	12.	20.	31.
2191	9.	15.	25.
2192	10.	17.	26.
2199	9.	16.	27.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 14): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY								
SUBSET 2													
1603	10.	15.	25.	32.	42.	53.	53.	96.	133.	167.	193.	229.	254.
1604	10.	16.	27.	34.	46.	58.	59.	102.	145.	180.	224.	243.	272.
1609	8.	13.	23.	30.	41.	53.	56.	94.	127.	166.	195.	216.	240.
1615	10.	18.	29.	37.	48.	62.	64.	104.	147.	179.	195.	216.	234.
1616	8.	10.	20.	30.	41.	52.	52.	86.	120.	157.	185.	209.	230.
1617	8.	14.	26.	33.	42.	54.	53.	86.	123.	165.	174.	201.	246.
1621	11.	17.	27.	34.	47.	61.	61.	103.	140.	174.	201.	232.	244.
1625	11.	17.	29.	34.	45.	61.	62.	108.	154.	180.	210.	236.	251.
1630	8.	13.	22.	28.	40.	49.	48.	81.	120.	148.	176.	188.	218.
1635	12.	20.	32.	38.	51.	66.	70.	110.	148.	182.	203.	225.	240.
1642	12.	19.	28.	34.	48.	64.	69.	106.	142.	164.	189.	220.	228.
1644	8.	14.	26.	34.	45.	60.	62.	103.	147.	172.	194.	212.	242.
1649	9.	16.	26.	32.	44.	57.	58.	92.	129.	164.	190.	212.	242.
1654	8.	12.	22.	27.	39.	50.	50.	89.	136.	167.	194.	212.	234.
1658	9.	16.	25.	31.	41.	52.	59.	98.	142.	186.	212.	235.	260.
1661	9.	15.	26.	32.	43.	59.	59.	98.	139.	169.	186.	212.	219.
1680	11.	18.	28.	35.	43.	56.	56.	101.	143.	168.	190.	215.	226.
1691	10.	17.	28.	35.	48.	64.	58.	96.	147.	180.	205.	241.	268.
1692	11.	19.	28.	35.	45.	60.	68.	111.	154.	188.	214.	264.	288.
1699	10.	17.	27.	33.	41.	58.	63.	102.	143.	180.	207.	231.	245.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 15): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	72	79	86
RAT #	MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY
SUBSET 2			
1603	260.	278.	303.
1604	279.	292.	310.
1609	274.	283.	296.
1615	240.	240.	251.
1616	256.	275.	282.
1617	241.	235.	245.
1621	262.	269.	289.
1625	257.	274.	290.
1630	225.	232.	235.
1635	247.	256.	266.
1642	247.	264.	274.
1644	248.	266.	274.
1649	232.	236.	252.
1654	245.	254.	265.
1658	273.	284.	286.
1661	238.	248.	255.
1680	235.	244.	255.
1691	278.	280.	316.
1692	290.	295.	312.
1699	258.	269.	276.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 16): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY								
SUBSET 3													
1703	10.	17.	29.	35.	44.	56.	59.	106.	152.	181.	211.	235.	253.
1704	12.	19.	29.	35.	43.	59.	62.	103.	143.	166.	195.	219.	225.
1709	8.	13.	24.	30.	41.	54.	58.	101.	143.	183.	220.	256.	282.
1715	10.	17.	28.	34.	43.	58.	59.	101.	146.	178.	201.	223.	236.
1716	8.	11.	22.	31.	41.	54.	53.	88.	120.	137.	172.	200.	218.
1717	9.	15.	27.	34.	43.	54.	55.	94.	139.	170.	198.	224.	243.
1721	11.	18.	28.	34.	45.	58.	61.	100.	138.	177.	202.	234.	248.
1725	10.	15.	26.	31.	40.	53.	55.	87.	126.	152.	176.	187.	212.
1730	9.	14.	25.	30.	43.	54.	54.	98.	142.	178.	199.	221.	242.
1735	11.	19.	30.	36.	49.	62.	68.	110.	146.	166.	180.	206.	217.
1742	13.	20.	32.	38.	51.	66.	69.	111.	146.	175.	196.	221.	250.
1744	8.	15.	26.	34.	46.	57.	59.	96.	136.	165.	183.	204.	216.
1749	10.	18.	28.	34.	47.	62.	67.	114.	162.	202.	229.	262.	280.
1754	8.	12.	21.	26.	38.	47.	51.	80.	112.	137.	166.	195.	211.
1758	11.	18.	28.	35.	44.	53.	57.	94.	139.	178.	201.	232.	266.
1761	9.	17.	28.	35.	46.	65.	66.	109.	147.	168.	194.	215.	224.
1780	12.	19.	30.	36.	43.	62.	70.	115.	156.	197.	220.	252.	271.
1791	8.	15.	24.	28.	38.	55.	58.	98.	133.	159.	184.	202.	228.
1792	9.	15.	25.	29.	39.	52.	56.	97.	139.	175.	195.	216.	244.
1799	9.	16.	26.	30.	42.	55.	58.	108.	156.	181.	209.	239.	259.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 17): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY								
SUBSET 4													
1803	10.	17.	28.	35.	44.	59.	63.	110.	149.	176.	206.	230.	250.
1804	11.	17.	28.	37.	50.	62.	65.	96.	132.	166.	183.	202.	215.
1809	9.	15.	26.	32.	45.	58.	62.	107.	149.	183.	216.	233.	261.
1815	10.	17.	29.	38.	47.	59.	59.	98.	137.	168.	193.	204.	224.
1816	7.	9.	18.	26.	37.	48.	48.	81.	118.	155.	186.	197.	226.
1817	9.	15.	26.	33.	43.	57.	60.	98.	135.	162.	177.	205.	224.
1821	11.	17.	27.	33.	46.	59.	62.	98.	139.	167.	187.	199.	215.
1825	11.	17.	27.	33.	44.	58.	61.	98.	141.	171.	199.	217.	242.
1830	9.	14.	26.	32.	46.	60.	59.	99.	138.	178.	207.	234.	258.
1835	12.	20.	32.	38.	49.	65.	63.	104.	142.	171.	198.	220.	238.
1842	12.	20.	30.	36.	48.	64.	67.	104.	142.	171.	198.	216.	228.
1844	9.	15.	26.	35.	48.	65.	66.	105.	144.	185.	211.	241.	254.
1849	10.	17.	29.	33.	45.	58.	61.	103.	148.	177.	211.	230.	257.
1854	8.	13.	22.	28.	41.	52.	52.	81.	113.	146.	174.	186.	202.
1858	9.	16.	25.	31.	43.	53.	59.	94.	138.	170.	197.	222.	249.
1861	8.	15.	25.	32.	42.	58.	59.	95.	137.	170.	207.	229.	239.
1880	11.	18.	28.	36.	45.	56.	60.	102.	139.	174.	196.	219.	232.
1891	10.	17.	27.	31.	39.	57.	61.	99.	136.	166.	192.	207.	220.
1892	10.	17.	26.	32.	42.	53.	58.	91.	130.	162.	187.	205.	224.
1899	9.	17.	27.	34.	41.	57.	60.	101.	141.	177.	202.	223.	236.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 18): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	72	79
RAT #	MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY
SUBSET 4		
1803	277.	299.
1804	227.	239.
1809	275.	279.
1815	242.	249.
1816	238.	248.
1817	240.	239.
1821	236.	250.
1825	252.	275.
1830	269.	293.
1835	248.	266.
1842	236.	249.
1844	279.	299.
1849	271.	278.
1854	216.	230.
1858	260.	279.
1861	258.	272.
1880	238.	245.
1891	232.	232.
1892	239.	248.
1899	252.	263.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 19): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY
SUBSET 1			
2101	9.	15.	25.
2107	7.	12.	22.
2114	11.	19.	31.
2119	9.	16.	26.
2126	10.	16.	26.
2129	8.	14.	24.
2132	9.	14.	23.
2133	8.	13.	23.
2138	10.	16.	28.
2139	9.	16.	26.
2145	12.	20.	33.
2151	10.	17.	26.
2159	11.	19.	29.
2164	10.	17.	27.
2165	8.	14.	25.
2174	11.	18.	28.
2176	10.	16.	25.
2183	13.	22.	34.
2187	11.	17.	27.
2197	9.	15.	26.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 20): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY								
SUBSET 2													
1601	8.	13.	21.	28.	38.	48.	43.	86.	124.	162.	192.	220.	251.
1607	9.	17.	28.	35.	46.	60.	61.	99.	137.	175.	210.	227.	262.
1614	12.	20.	33.	40.	53.	64.	66.	99.	133.	164.	194.	218.	246.
1619	10.	17.	29.	37.	50.	60.	60.	99.	137.	174.	205.	235.	255.
1626	8.	14.	24.	31.	41.	51.	53.	92.	130.	164.	183.	204.	217.
1629	9.	16.	25.	30.	41.	53.	57.	98.	132.	159.	184.	205.	216.
1632	9.	14.	24.	29.	42.	52.	56.	97.	135.	172.	203.	222.	244.
1633	9.	13.	23.	28.	38.	46.	50.	88.	127.	166.	194.	216.	238.
1638	8.	14.	25.	32.	42.	54.	56.	96.	142.	168.	208.	233.	252.
1639	10.	17.	27.	34.	47.	58.	61.	95.	127.	142.	174.	199.	214.
1645	11.	19.	32.	38.	53.	67.	68.	109.	150.	190.	211.	239.	257.
1651	10.	17.	26.	33.	42.	57.	58.	95.	142.	172.	197.	219.	238.
1659	10.	18.	27.	33.	46.	63.	66.	103.	143.	173.	192.	225.	243.
1664	10.	16.	25.	30.	41.	46.	54.	87.	118.	144.	166.	188.	204.
1665	9.	16.	27.	33.	44.	57.	60.	95.	127.	156.	171.	197.	210.
1674	10.	18.	27.	32.	46.	60.	63.	103.	143.	175.	205.	233.	257.
1676	8.	13.	21.	27.	36.	44.	49.	99.	156.	209.	232.	287.	315.
1683	12.	20.	32.	40.	50.	67.	68.	114.	160.	192.	216.	244.	250.
1687	12.	20.	31.	36.	45.	61.	64.	108.	146.	182.	201.	226.	231.
1697	8.	14.	26.	35.	46.	59.	60.	96.	134.	164.	195.	223.	241.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 21): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY
SUBSET 2			
1601	267.	267.	274.
1607	269.	286.	298.
1614	263.	273.	274.
1619	274.	286.	283.
1626	220.	232.	232.
1629	238.	252.	256.
1632	259.	270.	291.
1633	254.	266.	271.
1638	267.	288.	296.
1639	236.	254.	261.
1645	268.	279.	282.
1651	247.	265.	262.
1659	250.	273.	270.
1664	218.	235.	248.
1665	224.	238.	244.
1674	277.	277.	310.
1676	339.	352.	367.
1683	269.	281.	285.
1687	248.	258.	268.
1697	247.	266.	273.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 22): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY								
SUBSET 3													
1701	9.	14.	24.	31.	40.	49.	50.	87.	129.	162.	187.	206.	227.
1707	10.	18.	30.	37.	47.	63.	65.	105.	151.	182.	200.	226.	243.
1714	12.	20.	31.	38.	49.	66.	66.	98.	130.	162.	187.	208.	240.
1719	10.	18.	29.	34.	48.	61.	65.	107.	147.	180.	205.	231.	249.
1726	9.	15.	24.	31.	40.	51.	53.	96.	136.	172.	195.	214.	226.
1729	10.	18.	29.	34.	44.	58.	60.	100.	140.	167.	189.	221.	240.
1732	9.	16.	27.	34.	45.	58.	63.	106.	153.	154.	199.	236.	257.
1733	8.	12.	22.	28.	36.	44.	43.	78.	117.	148.	173.	201.	218.
1738	10.	17.	29.	36.	47.	61.	66.	106.	147.	180.	206.	234.	255.
1739	8.	13.	24.	29.	42.	53.	56.	96.	137.	166.	194.	220.	241.
1745	13.	23.	35.	42.	58.	73.	75.	125.	169.	195.	220.	242.	257.
1751	10.	18.	27.	34.	44.	56.	61.	103.	155.	188.	217.	234.	256.
1759	10.	19.	28.	34.	48.	63.	67.	102.	140.	167.	191.	222.	233.
1764	10.	17.	27.	33.	42.	51.	60.	103.	146.	172.	195.	218.	233.
1765	9.	16.	26.	32.	42.	56.	58.	92.	128.	159.	182.	206.	222.
1774	10.	17.	26.	32.	47.	57.	59.	98.	141.	174.	200.	224.	244.
1776	8.	12.	22.	29.	40.	49.	51.	93.	141.	186.	209.	232.	255.
1783	13.	22.	33.	40.	51.	68.	72.	115.	156.	189.	218.	241.	258.
1787	12.	19.	29.	32.	41.	55.	57.	100.	140.	171.	192.	216.	224.
1797	8.	14.	25.	32.	44.	54.	55.	93.	140.	170.	193.	219.	236.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 23): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY								
SUBSET 4													
1801	9.	14.	23.	29.	39.	51.	53.	87.	127.	161.	190.	215.	237.
1807	10.	16.	26.	32.	46.	60.	61.	100.	140.	172.	196.	222.	249.
1814	10.	17.	30.	36.	51.	65.	66.	98.	129.	153.	174.	198.	212.
1819	9.	16.	28.	34.	48.	61.	63.	99.	135.	162.	181.	197.	214.
1826	10.	16.	26.	34.	43.	56.	60.	106.	143.	174.	200.	230.	236.
1829	10.	17.	28.	33.	44.	58.	64.	105.	140.	172.	192.	216.	232.
1832	8.	13.	23.	29.	42.	55.	58.	101.	148.	185.	224.	246.	269.
1833	9.	14.	24.	30.	42.	50.	52.	85.	122.	157.	184.	214.	231.
1838	9.	16.	26.	34.	45.	60.	65.	100.	144.	180.	214.	245.	266.
1839	9.	17.	28.	34.	48.	58.	56.	107.	151.	189.	215.	241.	255.
1845	12.	20.	31.	39.	54.	70.	75.	122.	165.	202.	225.	264.	284.
1851	8.	13.	22.	27.	37.	48.	42.	77.	117.	147.	172.	199.	227.
1859	11.	18.	29.	36.	50.	66.	71.	114.	151.	172.	210.	232.	252.
1864	11.	17.	28.	34.	44.	53.	62.	92.	145.	184.	216.	238.	253.
1865	8.	14.	24.	30.	41.	51.	53.	84.	124.	162.	189.	206.	229.
1874	10.	19.	27.	34.	44.	62.	66.	105.	156.	199.	222.	255.	267.
1876	11.	18.	26.	34.	47.	60.	65.	114.	166.	208.	241.	267.	294.
1883	12.	20.	32.	40.	51.	67.	71.	110.	144.	177.	206.	228.	252.
1887	12.	19.	30.	34.	42.	56.	54.	96.	130.	154.	180.	206.	220.
1897	9.	15.	27.	35.	48.	57.	56.	96.	140.	172.	205.	224.	254.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 24): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	72	79
RAT #	MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY
SUBSET 4		
1801	248.	274.
1807	248.	253.
1814	216.	234.
1819	219.	229.
1826	252.	256.
1829	237.	252.
1832	293.	312.
1833	246.	260.
1838	287.	307.
1839	261.	270.
1845	302.	317.
1851	228.	252.
1859	260.	294.
1864	265.	284.
1865	229.	254.
1874	279.	293.
1876	314.	325.
1883	272.	282.
1887	223.	244.
1897	255.	271.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 25): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12
RAT #	MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY
SUBSET 1			
2110	11.	18.	27.
2120	10.	16.	28.
2123	11.	18.	28.
2124	11.	18.	29.
2127	14.	23.	34.
2128	8.	13.	21.
2137	9.	16.	25.
2140	9.	14.	24.
2141	9.	15.	27.
2143	10.	17.	27.
2148	13.	20.	31.
2152	12.	19.	30.
2166	8.	13.	22.
2173	9.	16.	26.
2178	11.	16.	28.
2184	10.	14.	25.
2188	12.	22.	33.
2189	12.	23.	34.
2193	11.	18.	27.
2198	10.	17.	29.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 26): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY								
SUBSET 2													
1610	10.	17.	26.	32.	44.	59.	55.	94.	136.	166.	190.	213.	241.
1620	9.	16.	27.	34.	45.	60.	58.	102.	145.	174.	205.	236.	260.
1623	10.	17.	25.	31.	44.	56.	58.	101.	145.	188.	225.	258.	278.
1624	12.	18.	29.	36.	46.	61.	64.	96.	130.	158.	181.	200.	221.
1627	12.	21.	35.	42.	54.	71.	72.	110.	152.	184.	220.	248.	269.
1628	9.	16.	25.	32.	39.	51.	56.	97.	148.	198.	228.	261.	288.
1637	10.	17.	27.	35.	47.	62.	64.	106.	156.	204.	239.	276.	302.
1640	10.	17.	26.	32.	44.	55.	58.	91.	130.	166.	192.	220.	241.
1641	10.	18.	28.	38.	48.	59.	64.	108.	153.	187.	214.	233.	253.
1643	10.	17.	27.	36.	47.	60.	63.	106.	156.	189.	216.	242.	267.
1648	13.	19.	31.	37.	50.	67.	72.	124.	172.	208.	243.	271.	301.
1652	11.	18.	28.	34.	46.	60.	62.	99.	140.	169.	198.	229.	236.
1666	7.	11.	19.	24.	36.	45.	46.	86.	123.	148.	164.	189.	215.
1673	9.	15.	25.	32.	42.	53.	55.	92.	134.	163.	182.	206.	213.
1678	10.	16.	27.	33.	47.	58.	61.	102.	144.	180.	211.	243.	266.
1684	9.	14.	24.	31.	44.	55.	50.	92.	132.	152.	172.	185.	196.
1688	12.	21.	33.	42.	53.	66.	71.	116.	163.	186.	203.	228.	234.
1689	10.	19.	30.	38.	50.	67.	71.	115.	156.	180.	205.	228.	236.
1693	11.	18.	27.	34.	44.	58.	62.	92.	127.	153.	166.	191.	204.
1698	9.	17.	28.	35.	47.	61.	65.	105.	150.	172.	192.	215.	238.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 27): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 72	79	86
RAT #	MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY
SUBSET 2			
1610	263.	264.	283.
1620	274.	308.	311.
1623	297.	321.	331.
1624	224.	241.	247.
1627	278.	305.	315.
1628	313.	325.	351.
1637	323.	330.	338.
1640	254.	275.	292.
1641	268.	269.	286.
1643	270.	287.	293.
1648	326.	354.	356.
1652	256.	270.	270.
1666	225.	246.	255.
1673	226.	230.	233.
1678	268.	292.	300.
1684	205.	213.	218.
1688	265.	297.	287.
1689	233.	246.	256.
1693	213.	227.	238.
1698	250.	258.	265.

DAY = DAY POSTPARTUM
ALL WEIGHTS ARE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 28): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY								
SUBSET 3													
1710	10.	18.	27.	32.	42.	54.	58.	101.	138.	169.	194.	212.	236.
1720	10.	17.	29.	36.	46.	61.	62.	106.	143.	180.	206.	235.	244.
1723	11.	18.	27.	33.	43.	54.	57.	100.	145.	171.	200.	226.	240.
1724	12.	20.	32.	37.	46.	60.	63.	99.	129.	142.	166.	180.	198.
1727	10.	15.	26.	32.	41.	53.	60.	101.	140.	166.	183.	219.	235.
1728	9.	14.	24.	31.	38.	50.	51.	92.	141.	189.	211.	243.	263.
1737	9.	17.	27.	35.	45.	58.	59.	95.	136.	164.	183.	209.	225.
1740	11.	19.	29.	36.	49.	60.	60.	98.	133.	168.	195.	225.	243.
1741	10.	17.	27.	34.	46.	59.	63.	112.	158.	193.	217.	242.	258.
1743	10.	17.	26.	35.	45.	60.	67.	110.	155.	185.	206.	224.	244.
1748	13.	20.	32.	39.	51.	65.	73.	115.	158.	191.	220.	249.	271.
1752	8.	14.	24.	30.	40.	51.	55.	95.	143.	176.	207.	234.	250.
1766	8.	13.	22.	27.	38.	48.	50.	90.	130.	168.	183.	220.	240.
1773	9.	15.	24.	29.	38.	48.	50.	83.	115.	138.	155.	169.	186.
1778	10.	17.	29.	33.	47.	62.	65.	106.	149.	182.	196.	218.	231.
1784	9.	14.	24.	31.	42.	55.	56.	98.	141.	165.	175.	193.	212.
1788	12.	21.	32.	39.	49.	71.	76.	125.	171.	203.	230.	265.	278.
1789	11.	21.	32.	39.	49.	67.	71.	117.	163.	192.	210.	239.	256.
1793	11.	18.	28.	34.	42.	55.	60.	89.	119.	141.	162.	188.	202.
1798	10.	17.	28.	32.	42.	55.	55.	94.	133.	155.	176.	200.	217.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 29): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	5	8	12	14	18	22	23	30	37	44	51	58	65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY								
SUBSET 4													
1810	12.	20.	28.	35.	47.	60.	62.	110.	158.	193.	210.	236.	247.
1820	11.	19.	31.	37.	51.	66.	67.	108.	146.	178.	205.	234.	245.
1823	10.	18.	28.	35.	48.	60.	64.	105.	147.	172.	196.	222.	230.
1824	11.	18.	28.	34.	43.	56.	62.	92.	126.	150.	172.	196.	214.
1827	14.	22.	36.	43.	53.	73.	67.	120.	164.	202.	229.	247.	264.
1828	9.	15.	25.	32.	39.	50.	54.	85.	134.	177.	210.	253.	277.
1837	10.	16.	27.	34.	45.	57.	59.	96.	138.	166.	183.	204.	227.
1840	10.	17.	26.	32.	43.	54.	61.	98.	137.	171.	192.	220.	236.
1841	10.	17.	27.	35.	48.	61.	66.	110.	162.	203.	239.	261.	287.
1843	10.	17.	27.	34.	45.	58.	64.	102.	141.	173.	200.	215.	238.
1848	14.	21.	34.	41.	56.	68.	75.	123.	178.	217.	249.	282.	310.
1852	10.	17.	28.	34.	44.	57.	59.	91.	128.	163.	194.	231.	255.
1866	8.	12.	22.	27.	39.	47.	50.	85.	118.	148.	168.	170.	194.
1873	10.	15.	26.	32.	42.	52.	54.	81.	110.	135.	160.	168.	183.
1878	11.	16.	27.	33.	47.	62.	64.	104.	149.	180.	209.	235.	256.
1884	10.	15.	27.	33.	46.	59.	62.	99.	135.	164.	186.	205.	222.
1888	11.	20.	32.	41.	52.	68.	75.	110.	159.	208.	236.	271.	302.
1889	10.	18.	29.	37.	48.	64.	67.	105.	149.	181.	209.	230.	257.
1893	10.	17.	27.	34.	42.	55.	60.	94.	125.	151.	174.	196.	208.
1898	10.	17.	28.	35.	46.	62.	61.	103.	144.	172.	191.	220.	227.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C15 (PAGE 30): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAY 72	79
RAT #	MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY
SUBSET 4		
1810	251.	268.
1820	269.	287.
1823	255.	248.
1824	222.	241.
1827	272.	297.
1828	302.	343.
1837	235.	256.
1840	249.	264.
1841	307.	326.
1843	243.	261.
1848	327.	354.
1852	276.	296.
1866	217.	236.
1873	195.	207.
1878	272.	285.
1884	234.	a
1888	318.	342.
1889	261.	288.
1893	212.	229.
1898	238.	253.

DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value was not recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY				
SUBSET 2									
1302	97.	140.	178.	192.	214.	215.	223.	246.	251.
1308	89.	126.	157.	168.	182.	192.	197.	200.	199.
1322	88.	122.	158.	184.	202.	198.	201.	215.	227.
1331	79.	138.	166.	191.	222.	222.	220.	219.	220.
1336	117.	162.	213.	239.	257.	159.	261.	259.	264.
1347	103.	144.	168.	195.	219.	a	b	246.	231.
1350	102.	148.	176.	190.	208.	224.	231.	223.	209.
1357	89.	123.	153.	172.	188.	201.	199.	199.	209.
1362	94.	123.	164.	209.	221.	233.	232.	233.	241.
1367	87.	122.	152.	178.	195.	196.	196.	179.	221.
1368	123.	148.	184.	215.	235.	239.	226.	226.	242.
1370	112.	151.	190.	208.	223.	238.	245.	241.	253.
1372	115.	147.	178.	204.	223.	237.	237.	239.	269.
1377	101.	134.	171.	196.	221.	216.	230.	235.	248.
1381	98.	141.	176.	195.	207.	219.	b	218.	228.
1385	96.	134.	167.	176.	186.	214.	204.	b	187.
1386	92.	114.	142.	165.	170.	192.	202.	196.	207.
1390	106.	151.	195.	238.	239.	257.	263.	273.	272.
1394	106.	138.	173.	213.	216.	237.	234.	263.	262.
1396	110.	145.	178.	200.	207.	235.	232.	227.	233.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.
b. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY		
SUBSET 3						
1402	99.	152.	171.	184.	211.	219.
1408	88.	116.	151.	173.	187.	190.
1422	94.	132.	178.	206.	215.	215.
1431	98.	140.	171.	193.	210.	218.
1436	108.	142.	154.	180.	185.	182.
1447	111.	158.	199.	231.	258.	261.
1450	105.	154.	188.	211.	228.	230.
1457	103.	132.	158.	179.	184.	169.
1462	111.	138.	174.	200.	219.	227.
1467	91.	140.	177.	218.	234.	235.
1468	120.	152.	182.	201.	211.	216.
1470	100.	139.	170.	204.	211.	210.
1472	105.	154.	189.	215.	231.	238.
1477	105.	128.	170.	207.	222.	235.
1481	107.	138.	169.	188.	201.	213.
1485	105.	146.	171.	206.	225.	258.
1486	96.	134.	160.	174.	176.	192.
1490	116.	156.	176.	204.	204.	224.
1494	107.	127.	154.	169.	175.	192.
1496	106.	143.	168.	196.	196.	206.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 3): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY			
SUBSET 4								
1502	119.	146.	193.	232.	233.	237.	250.	238.
1508	104.	128.	156.	179.	198.	209.	202.	198.
1522	101.	140.	166.	192.	209.	226.	232.	222.
1531	107.	147.	189.	225.	231.	245.	254.	231.
1536	107.	135.	159.	183.	197.	214.	210.	210.
1547	100.	134.	165.	193.	207.	228.	248.	229.
1550	59.	136.	164.	185.	199.	218.	238.	219.
1557	98.	132.	171.	196.	204.	214.	221.	222.
1562	107.	145.	193.	228.	241.	259.	275.	280.
1567	109.	151.	178.	197.	204.	222.	232.	222.
1568	115.	146.	188.	211.	a	262.	244.	258.
1570	118.	159.	193.	209.	223.	257.	248.	264.
1572	109.	148.	187.	204.	221.	241.	230.	237.
1577	111.	134.	164.	182.	202.	231.	229.	233.
1581	98.	140.	180.	211.	222.	281.	a	a
1585	102.	137.	176.	208.	212.	238.	228.	231.
1586	91.	121.	147.	171.	175.	195.	201.	217.
1590	118.	158.	186.	215.	229.	261.	265.	237.
1594	116.	181.	212.	239.	251.	282.	301.	281.
1596	108.	157.	196.	219.	221.	243.	256.	246.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 4): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY				
SUBSET 2									
1305	89.	133.	166.	181.	200.	202.	213.	199.	218.
1306	103.	158.	202.	232.	254.	267.	282.	268.	295.
1311	107.	151.	186.	204.	226.	239.	252.	227.	255.
1312	110.	149.	186.	208.	230.	249.	258.	250.	265.
1313	95.	139.	171.	191.	198.	210.	217.	208.	238.
1318	111.	148.	182.	207.	236.	247.	259.	a	272.
1334	98.	147.	190.	213.	220.	244.	231.	214.	234.
1346	103.	143.	176.	201.	221.	242.	232.	247.	248.
1353	103.	146.	190.	219.	244.	251.	258.	260.	259.
1355	107.	128.	159.	179.	199.	210.	214.	205.	230.
1356	104.	139.	165.	193.	225.	231.	230.	238.	242.
1360	99.	133.	171.	194.	170.	232.	225.	237.	239.
1363	100.	140.	171.	196.	228.	243.	241.	265.	a
1369	108.	151.	188.	213.	210.	239.	234.	232.	245.
1371	117.	159.	196.	227.	245.	273.	272.	a	285.
1375	103.	134.	174.	196.	234.	251.	259.	267.	a
1379	112.	155.	188.	225.	235.	245.	263.	253.	252.
1382	109.	144.	169.	189.	188.	207.	207.	203.	212.
1395	107.	138.	171.	203.	204.	244.	243.	240.	240.
1400	69.	111.	140.	161.	161.	193.	189.	189.	200.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 5): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY	
SUBSET 3						
1405	105.	140.	163.	180.	191.	194.
1406	113.	151.	181.	205.	230.	255.
1411	110.	145.	178.	195.	216.	239.
1412	101.	155.	178.	196.	206.	198.
1413	96.	128.	154.	185.	203.	209.
1418	103.	136.	158.	179.	198.	174.
1434	103.	135.	185.	205.	221.	214.
1446	108.	147.	174.	199.	203.	198.
1453	113.	151.	188.	207.	220.	212.
1455	112.	139.	171.	193.	207.	215.
1456	102.	151.	200.	209.	227.	233.
1460	81.	119.	147.	167.	182.	179.
1463	100.	143.	174.	192.	209.	207.
1469	105.	137.	166.	186.	211.	208.
1471	120.	169.	205.	237.	245.	200.
1475	91.	133.	169.	197.	217.	232.
1479	108.	136.	160.	188.	199.	234.
1482	103.	136.	168.	207.	215.	230.
1495	102.	153.	182.	207.	212.	232.
1500	85.	133.	153.	184.	178.	182.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 6): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY			
SUBSET 4								
1505	107.	161.	193.	219.	225.	239.	241.	a
1506	107.	144.	181.	205.	221.	247.	256.	239.
1511	111.	158.	199.	225.	241.	238.	249.	230.
1512	104.	145.	186.	206.	215.	228.	222.	221.
1513	95.	129.	173.	194.	205.	222.	221.	221.
1518	120.	157.	176.	183.	200.	207.	228.	226.
1534	106.	136.	183.	217.	214.	200.	191.	220.
1546	118.	159.	188.	216.	223.	231.	239.	250.
1553	95.	131.	170.	200.	214.	229.	233.	243.
1555	103.	136.	168.	198.	218.	230.	238.	230.
1556	96.	160.	174.	200.	225.	216.	233.	238.
1560	96.	144.	179.	196.	217.	238.	227.	242.
1563	101.	144.	184.	207.	230.	246.	246.	264.
1569	FOUND DEAD ON DAY 17 POSTPARTUM							
1571	113.	162.	192.	218.	246.	271.	248.	263.
1575	97.	140.	174.	201.	223.	255.	260.	270.
1579	97.	137.	168.	192.	209.	221.	238.	236.
1582	104.	138.	169.	198.	203.	227.	229.	232.
1595	103.	149.	177.	194.	213.	239.	244.	237.
1600	75.	135.	155.	175.	183.	206.	227.	212.

DAY = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 7): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY				
SUBSET 2									
1303	95.	135.	171.	201.	222.	235.	243.	231.	256.
1304	115.	161.	186.	203.	220.	220.	232.	225.	249.
1309	110.	139.	180.	210.	228.	243.	256.	268.	291.
1315	107.	143.	179.	207.	223.	236.	231.	242.	256.
1316	100.	119.	154.	178.	193.	204.	217.	229.	238.
1317	104.	144.	186.	211.	a	252.	255.	255.	284.
1321	101.	132.	167.	193.	209.	230.	222.	224.	236.
1325	95.	132.	159.	171.	185.	196.	202.	202.	213.
1330	98.	127.	165.	194.	220.	230.	235.	242.	250.
1335	110.	149.	178.	197.	216.	230.	246.	244.	252.
1342	104.	149.	185.	205.	220.	224.	231.	223.	228.
1344	101.	126.	154.	179.	186.	204.	210.	207.	216.
1349	101.	131.	156.	180.	199.	219.	227.	214.	245.
1354	86.	113.	139.	164.	189.	194.	198.	177.	211.
1358	101.	140.	172.	198.	218.	218.	224.	228.	237.
1361	106.	158.	189.	204.	205.	224.	217.	204.	210.
1380	119.	144.	168.	196.	207.	220.	235.	236.	248.
1391	95.	137.	173.	205.	207.	224.	229.	224.	226.
1392	93.	133.	171.	195.	202.	230.	225.	221.	236.
1399	102.	147.	178.	206.	216.	236.	214.	235.	250.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Wet feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 8): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY	
SUBSET 3						
1403	111.	142.	166.	192.	228.	246.
1404	95.	132.	168.	208.	206.	194.
1409	97.	117.	149.	174.	193.	213.
1415	103.	143.	177.	205.	218.	209.
1416	91.	111.	132.	148.	174.	179.
1417	96.	127.	163.	188.	202.	210.
1421	105.	149.	193.	219.	226.	228.
1425	97.	142.	176.	196.	216.	213.
1430	107.	140.	174.	204.	215.	210.
1435	116.	161.	188.	207.	231.	220.
1442	118.	153.	178.	198.	217.	217.
1444	100.	130.	162.	186.	202.	215.
1449	112.	145.	174.	187.	198.	182.
1454	89.	116.	151.	181.	211.	207.
1458	105.	140.	174.	197.	230.	222.
1461	94.	137.	179.	202.	222.	218.
1480	114.	148.	172.	207.	217.	229.
1491	102.	138.	177.	225.	222.	243.
1492	90.	122.	152.	176.	184.	196.
1499	105.	149.	178.	212.	205.	218.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 9): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY			
SUBSET 4								
1503	115.	156.	178.	196.	212.	235.	226.	217.
1504	a	131.	165.	192.	202.	219.	222.	209.
1509	118.	153.	189.	221.	238.	245.	254.	271.
1515	110.	138.	168.	202.	225.	239.	244.	237.
1516	100.	130.	156.	186.	198.	214.	227.	231.
1517	103.	135.	165.	200.	220.	227.	224.	218.
1521	113.	145.	179.	193.	209.	221.	240.	230.
1525	100.	137.	175.	200.	209.	223.	227.	221.
1530	92.	134.	172.	195.	212.	232.	241.	227.
1535	104.	139.	175.	197.	225.	225.	236.	251.
1542	110.	142.	182.	218.	244.	264.	266.	277.
1544	96.	125.	152.	173.	193.	208.	198.	213.
1549	104.	141.	162.	197.	224.	233.	247.	231.
1554	97.	147.	164.	189.	206.	220.	233.	236.
1558	96.	142.	174.	210.	218.	241.	253.	254.
1561	106.	156.	183.	200.	215.	229.	232.	225.
1580	113.	140.	172.	204.	218.	239.	228.	230.
1591	112.	170.	214.	246.	244.	272.	272.	262.
1592	99.	145.	185.	214.	220.	227.	236.	218.
1599	104.	148.	196.	216.	240.	273.	273.	261.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 10): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY				
SUBSET 2									
1301	89.	135.	148.	170.	213.	233.	244.	233.	243.
1307	110.	161.	180.	203.	231.	237.	252.	237.	a
1314	98.	119.	156.	176.	186.	185.	195.	212.	207.
1319	111.	138.	166.	194.	218.	227.	239.	246.	254.
1326	94.	136.	172.	196.	220.	228.	223.	242.	256.
1329	110.	148.	183.	205.	229.	238.	248.	266.	266.
1332	103.	146.	177.	202.	221.	220.	211.	214.	223.
1333	95.	129.	171.	192.	213.	216.	211.	222.	216.
1338	113.	140.	175.	205.	213.	230.	237.	252.	251.
1339	97.	125.	153.	179.	195.	200.	201.	207.	216.
1345	110.	148.	175.	184.	202.	229.	232.	229.	165.
1351	106.	145.	162.	179.	199.	215.	216.	202.	209.
1359	113.	131.	166.	197.	195.	208.	213.	235.	245.
1364	116.	156.	178.	205.	217.	228.	217.	208.	209.
1365	91.	119.	165.	188.	204.	214.	206.	208.	216.
1374	102.	136.	166.	185.	203.	214.	221.	234.	238.
1376	97.	124.	152.	167.	182.	208.	223.	207.	222.
1383	111.	152.	172.	206.	211.	226.	239.	241.	252.
1387	100.	150.	180.	214.	220.	242.	244.	250.	247.
1397	87.	132.	171.	192.	188.	214.	208.	213.	221.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 11): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY	
SUBSET 3						
1401	86.	127.	152.	169.	198.	216.
1407	112.	179.	203.	224.	230.	234.
1414	105.	132.	157.	171.	194.	202.
1419	111.	148.	190.	217.	239.	241.
1426	97.	125.	161.	192.	215.	210.
1429	104.	148.	172.	189.	203.	206.
1432	91.	141.	181.	209.	228.	234.
1433	94.	125.	158.	189.	201.	206.
1438	104.	140.	175.	204.	222.	231.
1439	95.	126.	161.	189.	206.	210.
1445	95.	130.	163.	190.	209.	204.
1451	88.	120.	150.	164.	180.	176.
1459	110.	152.	184.	202.	219.	213.
1464	96.	144.	160.	193.	186.	203.
1465	105.	154.	198.	226.	245.	237.
1474	100.	149.	170.	195.	222.	217.
1476	92.	143.	183.	204.	233.	a
1483	124.	163.	197.	228.	228.	257.
1487	100.	141.	167.	195.	198.	218.
1497	98.	139.	172.	205.	212.	239.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 12): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY				
SUBSET 4									
1501	88.	133.	159.	185.	205.	221.	220.	207.	
1507	105.	165.	184.	203.	224.	230.	234.	229.	
1514	114.	141.	174.	209.	228.	230.	229.	234.	
1519	118.	158.	189.	213.	197.	246.	258.	258.	
1526	102.	138.	169.	191.	208.	220.	230.	218.	
1529	110.	137.	164.	186.	201.	211.	213.	204.	
1532	106.	134.	174.	203.	224.	231.	241.	a	
1533	88.	117.	152.	179.	203.	210.	218.	224.	
1538	109.	155.	181.	213.	244.	248.	255.	249.	
1539	106.	134.	177.	199.	217.	237.	242.	233.	
1545	123.	154.	186.	217.	231.	277.	278.	292.	
1551	101.	134.	167.	189.	209.	250.	236.	238.	
1559	114.	142.	188.	208.	209.	226.	227.	228.	
1564	107.	145.	185.	208.	216.	231.	231.	235.	
1565	101.	139.	189.	207.	254.	262.	242.	248.	
1574	113.	157.	203.	234.	256.	281.	285.	303.	
1576	114.	146.	184.	205.	229.	274.	256.	265.	
1583	111.	153.	178.	211.	212.	238.	241.	238.	
1587	101.	144.	168.	193.	212.	229.	233.	231.	
1597	95.	135.	171.	202.	217.	229.	249.	242.	

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 13): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY				
SUBSET 2									
1310	117.	150.	170.	193.	233.	243.	257.	246.	271.
1320	103.	139.	162.	180.	200.	207.	224.	215.	212.
1323	116.	151.	186.	216.	a	261.	a	268.	312.
1324	110.	137.	172.	190.	195.	213.	220.	214.	242.
1327	104.	140.	173.	203.	217.	240.	234.	239.	253.
1328	83.	118.	148.	170.	178.	198.	209.	220.	226.
1337	101.	156.	199.	230.	246.	254.	253.	274.	279.
1340	112.	147.	182.	210.	231.	249.	268.	278.	269.
1341	113.	152.	200.	214.	225.	232.	FOUND DEAD ON DAY 68 POSTPARTUM		
1343	109.	149.	170.	194.	215.	221.	239.	236.	246.
1348	113.	151.	180.	200.	226.	b	246.	242.	255.
1352	102.	135.	165.	189.	207.	213.	208.	214.	226.
1366	89.	116.	151.	183.	160.	208.	213.	238.	223.
1373	91.	121.	156.	172.	188.	193.	205.	211.	220.
1378	99.	136.	174.	195.	206.	227.	237.	239.	254.
1384	99.	132.	176.	183.	208.	211.	214.	222.	229.
1388	113.	145.	181.	215.	246.	272.	272.	271.	280.
1389	113.	157.	188.	214.	222.	242.	238.	242.	246.
1393	91.	139.	171.	201.	202.	221.	214.	197.	219.
1398	106.	146.	170.	192.	194.	204.	210.	205.	209.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Wet feed precluded the calculation of this value.
b. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 14): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY	
SUBSET 3						
1410	117.	161.	185.	227.	249.	246.
1420	109.	146.	163.	182.	196.	211.
1423	116.	151.	171.	194.	223.	232.
1424	107.	129.	144.	169.	193.	204.
1427	102.	138.	173.	204.	229.	232.
1428	102.	123.	154.	180.	201.	195.
1437	111.	141.	168.	195.	214.	220.
1440	109.	144.	173.	194.	215.	218.
1441	115.	150.	181.	210.	232.	226.
1443	112.	146.	174.	205.	227.	237.
1448	120.	166.	214.	241.	257.	272.
1452	87.	144.	161.	183.	209.	220.
1466	93.	127.	160.	185.	213.	224.
1473	86.	117.	142.	161.	184.	188.
1478	114.	155.	184.	212.	233.	230.
1484	109.	149.	171.	188.	224.	215.
1488	124.	166.	201.	233.	243.	267.
1489	121.	163.	187.	217.	220.	236.
1493	98.	129.	162.	184.	187.	201.
1498	100.	127.	155.	176.	185.	202.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C16 (PAGE 15): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP V			10.0 MG/KG/DAY				
SUBSET 4								
1510	115.	165.	193.	214.	238.	248.	251.	230.
1520	108.	162.	186.	211.	234.	250.	264.	249.
1523	127.	168.	194.	227.	245.	279.	296.	270.
1524	110.	139.	165.	201.	206.	228.	233.	227.
1527	114.	158.	194.	228.	241.	251.	274.	267.
1528	106.	140.	172.	192.	211.	231.	246.	227.
1537	123.	153.	184.	208.	228.	246.	269.	a
1540	110.	143.	184.	223.	251.	262.	284.	276.
1541	112.	144.	193.	214.	232.	251.	255.	252.
1543	107.	142.	180.	203.	230.	237.	224.	248.
1548	108.	143.	175.	204.	239.	242.	236.	257.
1552	92.	128.	164.	185.	202.	211.	221.	220.
1566	102.	148.	181.	202.	224.	240.	236.	247.
1573	96.	121.	152.	165.	198.	214.	212.	226.
1578	106.	154.	190.	215.	238.	240.	230.	234.
1584	113.	162.	186.	197.	236.	240.	233.	247.
1588	128.	170.	217.	249.	265.	a	301.	280.
1589	109.	150.	173.	196.	208.	218.	190.	130.
1593	92.	147.	191.	217.	217.	233.	237.	231.
1598	88.	124.	155.	177.	191.	207.	223.	217.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

RAT #	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY				
SUBSET 2									
1602	97.	138.	143.	166.	159.	156.	198.	136.	154.
1608	86.	122.	126.	141.	139.	139.	166.	136.	132.
1622	90.	a	149.	155.	156.	b	209.	143.	b
1631	83.	121.	126.	131.	135.	130.	144.	129.	131.
1636	95.	117.	118.	140.	147.	128.	120.	129.	129.
1647	94.	137.	151.	160.	167.	165.	163.	177.	155.
1650	90.	117.	130.	142.	140.	148.	130.	152.	132.
1657	90.	97.	132.	136.	138.	133.	121.	120.	132.
1662	93.	129.	133.	139.	138.	140.	146.	165.	157.
1667	109.	142.	148.	152.	160.	155.	79.	146.	164.
1668	99.	134.	134.	174.	138.	138.	118.	125.	126.
1670	84.	114.	113.	133.	135.	129.	126.	175.	133.
1672	111.	151.	151.	188.	225.	161.	164.	172.	179.
1677	93.	139.	132.	161.	132.	164.	144.	144.	140.
1681	100.	130.	134.	149.	139.	149.	127.	148.	144.
1685	105.	139.	149.	156.	140.	139.	142.	139.	128.
1686	83.	119.	129.	142.	120.	129.	166.	155.	143.
1690	110.	158.	142.	b	156.	b	137.	135.	116.
1694	81.	134.	138.	135.	134.	123.	124.	132.	120.
1696	106.	144.	164.	162.	157.	174.	173.	158.	167.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Wet feed precluded the calculation of this value.
b. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP I			0 (CARRIER) MG/KG/DAY		
SUBSET 3						
1702	80.	143.	144.	147.	147.	134.
1708	79.	101.	110.	127.	134.	122.
1722	77.	123.	119.	120.	121.	a
1731	88.	117.	124.	129.	128.	127.
1736	99.	105.	142.	133.	136.	129.
1747	68.	139.	165.	161.	170.	151.
1750	99.	126.	145.	141.	142.	164.
1757	93.	124.	153.	155.	170.	139.
1762	96.	123.	139.	149.	148.	134.
1767	76.	105.	136.	155.	155.	143.
1768	105.	135.	132.	143.	125.	121.
1770	107.	143.	156.	163.	159.	159.
1772	97.	135.	123.	174.	130.	170.
1777	86.	126.	129.	184.	140.	135.
1781	104.	142.	143.	163.	133.	151.
1785	102.	161.	152.	158.	157.	159.
1786	96.	125.	137.	179.	137.	127.
1790	104.	139.	138.	155.	144.	156.
1794	114.	150.	179.	a	210.	163.
1796	89.	123.	131.	193.	139.	139.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 3): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY			
SUBSET 4								
1802	98.	133.	a	154.	186.	167.	172.	179.
1808	90.	107.	120.	123.	130.	119.	148.	122.
1822	87.	129.	130.	143.	117.	115.	115.	119.
1831	84.	117.	124.	134.	145.	138.	143.	129.
1836	93.	118.	137.	149.	158.	157.	158.	158.
1847	72.	102.	123.	133.	136.	139.	128.	140.
1850	83.	131.	151.	147.	147.	160.	148.	144.
1857	79.	123.	140.	152.	156.	136.	149.	146.
1862	97.	124.	141.	154.	138.	143.	127.	135.
1867	59.	116.	137.	146.	148.	149.	141.	139.
1868	105.	133.	134.	157.	119.	137.	132.	157.
1870	91.	139.	161.	169.	158.	151.	162.	137.
1872	105.	134.	147.	154.	149.	150.	165.	154.
1877	106.	131.	159.	182.	170.	175.	177.	174.
1881	112.	130.	147.	168.	163.	140.	150.	161.
1885	91.	120.	133.	124.	133.	156.	122.	132.
1886	90.	117.	136.	129.	129.	119.	117.	122.
1890	100.	132.	151.	146.	116.	136.	117.	141.
1894	98.	128.	148.	168.	166.	169.	186.	238.
1896	90.	109.	121.	127.	127.	140.	142.	147.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 4): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY				
SUBSET 2									
1605	71.	147.	143.	153.	157.	164.	175.	166.	163.
1606	85.	129.	136.	160.	192.	191.	a	182.	203.
1611	105.	143.	152.	170.	176.	160.	166.	171.	180.
1612	107.	132.	134.	144.	135.	152.	146.	145.	141.
1613	79.	93.	103.	114.	120.	117.	134.	119.	151.
1618	105.	139.	149.	145.	155.	154.	145.	212.	143.
1634	92.	118.	127.	125.	121.	122.	114.	127.	124.
1646	91.	114.	133.	135.	135.	142.	143.	143.	136.
1653	102.	139.	158.	171.	184.	185.	189.	179.	188.
1655	97.	125.	148.	162.	152.	181.	186.	170.	161.
1656	92.	118.	130.	133.	142.	145.	143.	153.	157.
1660	99.	132.	146.	202.	151.	141.	138.	145.	148.
1663	77.	106.	137.	143.	139.	155.	164.	166.	154.
1669	103.	129.	146.	160.	122.	128.	131.	144.	141.
1671	110.	141.	148.	150.	180.	162.	159.	166.	176.
1675	84.	117.	131.	135.	133.	135.	135.	132.	123.
1679	101.	157.	154.	160.	150.	a	136.	206.	145.
1682	105.	135.	150.	170.	149.	134.	144.	172.	147.
1695	104.	135.	139.	152.	136.	134.	127.	137.	a
1700	74.	116.	160.	172.	140.	119.	FOUND DEAD ON DAY 67 POSTPARTUM		

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 5): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP II			0.1 MG/KG/DAY		
SUBSET 3						
1705	86.	138.	142.	146.	150.	140.
1706	95.	134.	126.	152.	145.	137.
1711	97.	132.	161.	173.	166.	158.
1712	124.	153.	157.	152.	179.	224.
1713	80.	111.	125.	133.	140.	131.
1718	106.	146.	141.	131.	147.	173.
1734	97.	123.	142.	151.	147.	144.
1746	100.	115.	127.	130.	133.	127.
1753	80.	125.	150.	157.	176.	177.
1755	102.	130.	138.	144.	146.	141.
1756	100.	141.	153.	157.	169.	150.
1760	100.	142.	148.	153.	161.	140.
1763	94.	121.	126.	134.	123.	132.
1769	100.	133.	148.	163.	144.	147.
1771	112.	153.	174.	185.	184.	192.
1775	95.	137.	140.	156.	150.	143.
1779	115.	163.	170.	176.	163.	164.
1782	107.	130.	150.	154.	151.	148.
1795	96.	129.	132.	163.	142.	129.
1800	88.	134.	139.	158.	159.	161.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 6): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY			
SUBSET 4								
1805	80.	132.	143.	149.	138.	140.	142.	145.
1806	98.	135.	152.	153.	162.	163.	169.	156.
1811	FOUND DEAD ON DAY 17 POSTPARTUM							
1812	103.	126.	135.	137.	137.	136.	124.	126.
1813	89.	123.	138.	142.	148.	137.	135.	134.
1818	98.	129.	137.	a	141.	128.	125.	a
1834	82.	118.	138.	138.	138.	143.	141.	145.
1846	94.	122.	141.	140.	146.	136.	141.	146.
1853	94.	121.	145.	156.	164.	171.	172.	170.
1855	70.	a	138.	143.	145.	146.	158.	148.
1856	94.	126.	143.	154.	146.	149.	150.	166.
1860	110.	144.	159.	170.	173.	186.	170.	159.
1863	93.	134.	133.	151.	119.	140.	128.	136.
1869	100.	131.	142.	154.	148.	151.	148.	152.
1871	98.	128.	147.	160.	146.	158.	158.	139.
1875	84.	124.	137.	192.	150.	153.	157.	190.
1879	95.	137.	96.	168.	153.	157.	157.	155.
1882	90.	118.	a	144.	116.	117.	118.	169.
1895	102.	134.	157.	164.	MORIBUND SACRIFICED ON DAY 52 POSTPARTUM			
1900	MORIBUND SACRIFICED ON DAY 24 POSTPARTUM							

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 7): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY				
SUBSET 2									
1603	83.	129.	138.	147.	165.	164.	174.	144.	166.
1604	98.	141.	a	200.	a	171.	177.	a	189.
1609	103.	120.	126.	154.	155.	167.	182.	173.	183.
1615	108.	131.	140.	145.	139.	144.	142.	a	a
1616	79.	119.	136.	139.	140.	147.	155.	151.	153.
1617	89.	123.	141.	134.	147.	178.	148.	141.	153.
1621	103.	124.	143.	146.	152.	151.	144.	163.	154.
1625	100.	130.	136.	141.	147.	141.	128.	133.	158.
1630	79.	115.	119.	134.	124.	149.	152.	148.	160.
1635	96.	131.	150.	172.	145.	158.	152.	181.	160.
1642	99.	127.	136.	155.	134.	138.	146.	159.	147.
1644	100.	134.	123.	206.	134.	160.	157.	157.	139.
1649	95.	125.	146.	157.	138.	179.	131.	144.	126.
1654	87.	123.	147.	178.	146.	151.	165.	169.	153.
1658	100.	b	145.	180.	152.	164.	155.	169.	158.
1661	93.	128.	119.	128.	120.	124.	133.	134.	135.
1680	98.	120.	134.	133.	132.	137.	120.	122.	129.
1691	77.	138.	166.	175.	175.	166.	157.	166.	190.
1692	103.	136.	157.	159.	156.	177.	153.	156.	157.
1699	94.	132.	140.	141.	135.	133.	139.	134.	124.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.
b. Soiled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 8): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY	
SUBSET 3						
1703	111.	152.	148.	163.	160.	153.
1704	102.	133.	129.	143.	146.	131.
1709	105.	132.	159.	182.	190.	183.
1715	98.	123.	144.	158.	158.	157.
1716	93.	110.	83.	149.	142.	141.
1717	88.	121.	134.	142.	151.	143.
1721	99.	122.	141.	147.	159.	141.
1725	76.	103.	120.	119.	122.	112.
1730	96.	133.	150.	148.	147.	148.
1735	99.	156.	136.	163.	149.	a
1742	95.	127.	131.	156.	130.	144.
1744	91.	117.	132.	144.	122.	137.
1749	111.	143.	157.	175.	160.	169.
1754	67.	127.	128.	159.	135.	a
1758	84.	133.	143.	168.	158.	174.
1761	104.	132.	139.	148.	140.	141.
1780	105.	142.	155.	165.	155.	162.
1791	92.	133.	130.	167.	135.	140.
1792	92.	137.	150.	156.	142.	148.
1799	106.	148.	147.	155.	156.	153.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 9): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP III			1.0 MG/KG/DAY				
SUBSET 4								
1803	105.	137.	123.	145.	146.	140.	165.	154.
1804	88.	119.	129.	131.	127.	123.	131.	129.
1809	105.	133.	146.	168.	164.	173.	176.	a
1815	98.	124.	128.	129.	130.	133.	127.	121.
1816	86.	123.	136.	150.	140.	141.	141.	148.
1817	92.	123.	132.	132.	156.	135.	141.	133.
1821	92.	125.	130.	135.	126.	117.	128.	130.
1825	95.	122.	134.	140.	146.	145.	145.	156.
1830	98.	128.	137.	150.	155.	149.	145.	157.
1835	78.	121.	134.	160.	138.	142.	142.	153.
1842	95.	120.	137.	146.	138.	136.	138.	144.
1844	96.	125.	148.	160.	149.	157.	162.	161.
1849	100.	140.	144.	163.	146.	152.	150.	156.
1854	84.	115.	127.	151.	141.	148.	150.	156.
1858	86.	124.	137.	154.	156.	159.	148.	175.
1861	95.	124.	143.	146.	154.	140.	147.	147.
1880	94.	127.	140.	143.	144.	146.	150.	135.
1891	95.	136.	150.	153.	140.	144.	130.	137.
1892	85.	115.	135.	162.	133.	137.	a	a
1899	94.	122.	a	143.	150.	137.	136.	147.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 10): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP IV				3.0 MG/KG/DAY				
SUBSET 2									
1601	73.	153.	145.	157.	162.	152.	159.	143.	148.
1607	91.	123.	135.	154.	147.	187.	174.	151.	154.
1614	92.	119.	130.	141.	148.	145.	140.	141.	142.
1619	94.	116.	136.	146.	148.	147.	143.	140.	146.
1626	81.	121.	139.	144.	136.	141.	130.	138.	138.
1629	97.	120.	122.	135.	136.	138.	147.	150.	156.
1632	90.	116.	145.	149.	146.	151.	156.	155.	164.
1633	92.	123.	147.	150.	156.	153.	145.	153.	158.
1638	96.	122.	107.	169.	144.	142.	144.	144.	146.
1639	85.	108.	96.	135.	131.	129.	139.	139.	137.
1645	95.	124.	148.	157.	143.	155.	166.	163.	130.
1651	90.	123.	137.	148.	134.	137.	139.	143.	117.
1659	102.	130.	170.	a	165.	185.	232.	234.	150.
1664	71.	116.	128.	150.	128.	128.	142.	156.	149.
1665	92.	115.	136.	148.	124.	146.	154.	166.	145.
1674	98.	b	147.	180.	162.	161.	158.	171.	166.
1676	85.	165.	172.	178.	176.	178.	171.	171.	161.
1683	112.	163.	170.	214.	159.	145.	144.	159.	136.
1687	102.	138.	158.	152.	150.	129.	135.	138.	136.
1697	86.	125.	139.	145.	137.	140.	139.	141.	131.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value appeared associated with spillage and was excluded from group averages and statistical analyses.
b. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 11): *FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS*

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP IV			3.0 MG/KG/DAY		
SUBSET 3						
1701	100.	174.	147.	158.	142.	137.
1707	90.	134.	142.	143.	158.	154.
1714	91.	114.	130.	133.	134.	143.
1719	102.	130.	140.	145.	150.	139.
1726	94.	125.	136.	139.	139.	124.
1729	97.	120.	130.	138.	153.	145.
1732	100.	134.	84.	159.	161.	139.
1733	70.	108.	126.	136.	141.	135.
1738	103.	128.	143.	151.	167.	143.
1739	97.	125.	134.	140.	143.	135.
1745	105.	145.	148.	161.	148.	155.
1751	101.	141.	153.	180.	148.	140.
1759	102.	133.	138.	163.	153.	150.
1764	95.	140.	144.	166.	151.	149.
1765	91.	116.	121.	137.	134.	120.
1774	98.	136.	139.	156.	148.	154.
1776	100.	132.	142.	181.	156.	146.
1783	108.	152.	170.	181.	175.	170.
1787	99.	138.	141.	137.	139.	131.
1797	89.	133.	152.	146.	140.	140.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 12): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP IV			3.0 MG/KG/DAY				
SUBSET 4								
1801	88.	121.	129.	139.	149.	144.	142.	143.
1807	95.	128.	134.	139.	146.	147.	130.	135.
1814	98.	119.	125.	129.	132.	123.	125.	134.
1819	95.	117.	122.	121.	118.	114.	114.	110.
1826	92.	126.	143.	153.	165.	132.	137.	133.
1829	100.	128.	147.	149.	149.	140.	131.	136.
1832	94.	149.	160.	167.	165.	156.	163.	163.
1833	74.	117.	136.	143.	145.	147.	143.	138.
1838	85.	132.	152.	159.	169.	158.	174.	173.
1839	103.	131.	145.	151.	146.	141.	135.	130.
1845	101.	137.	152.	156.	163.	184.	167.	181.
1851	60.	126.	136.	148.	135.	150.	138.	192.
1859	107.	141.	148.	168.	154.	159.	152.	189.
1864	80.	134.	155.	163.	155.	151.	156.	186.
1865	78.	117.	141.	165.	139.	149.	142.	168.
1874	91.	148.	163.	160.	162.	148.	130.	161.
1876	114.	143.	151.	164.	157.	163.	156.	164.
1883	101.	129.	149.	171.	170.	159.	178.	176.
1887	76.	115.	131.	132.	129.	121.	126.	143.
1897	85.	123.	140.	145.	136.	155.	140.	144.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 13): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79	79 - 86
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY				
SUBSET 2									
1610	79.	139.	141.	151.	154.	148.	171.	166.	200.
1620	99.	130.	133.	149.	156.	161.	148.	180.	175.
1623	95.	178.	164.	178.	182.	181.	180.	219.	192.
1624	97.	112.	131.	139.	130.	133.	121.	132.	139.
1627	95.	124.	142.	159.	159.	154.	160.	170.	166.
1628	92.	129.	161.	165.	170.	170.	175.	172.	191.
1637	96.	145.	168.	186.	185.	196.	194.	163.	157.
1640	88.	115.	134.	145.	153.	141.	152.	154.	160.
1641	103.	132.	151.	147.	145.	140.	147.	136.	147.
1643	98.	130.	142.	147.	154.	141.	143.	138.	143.
1648	117.	150.	167.	173.	170.	188.	183.	192.	184.
1652	87.	128.	149.	188.	145.	156.	150.	167.	146.
1666	94.	137.	136.	150.	138.	164.	149.	190.	165.
1673	78.	125.	130.	141.	127.	171.	141.	146.	114.
1678	91.	129.	139.	182.	154.	183.	147.	195.	144.
1684	90.	127.	125.	134.	119.	124.	115.	126.	108.
1688	117.	159.	154.	147.	141.	132.	149.	171.	144.
1689	104.	145.	143.	152.	140.	128.	123.	121.	130.
1693	72.	122.	124.	122.	119.	115.	118.	117.	117.
1698	100.	144.	143.	148.	147.	147.	149.	153.	149.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 14): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAYS 23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY	
SUBSET 3						
1710	96.	128.	139.	150.	148.	135.
1720	105.	149.	137.	149.	150.	149.
1723	97.	142.	136.	140.	154.	144.
1724	93.	108.	116.	124.	123.	116.
1727	102.	131.	143.	138.	159.	146.
1728	70.	126.	157.	165.	176.	146.
1737	92.	121.	130.	134.	143.	133.
1740	92.	118.	134.	142.	152.	149.
1741	108.	142.	152.	157.	163.	153.
1743	102.	a	a	a	a	143.
1748	114.	131.	139.	156.	158.	147.
1752	87.	142.	157.	174.	166.	167.
1766	98.	134.	142.	160.	150.	151.
1773	84.	106.	118.	113.	133.	126.
1778	107.	137.	151.	162.	142.	130.
1784	112.	145.	135.	144.	133.	142.
1788	118.	163.	170.	215.	189.	173.
1789	109.	163.	165.	162.	159.	158.
1793	86.	111.	117.	124.	135.	116.
1798	81.	123.	142.	176.	141.	135.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C17 (PAGE 15): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	23 - 30	30 - 37	37 - 44	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
RAT #	MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY			
SUBSET 4								
1810	106.	144.	149.	141.	155.	137.	142.	142.
1820	104.	129.	132.	144.	152.	141.	151.	157.
1823	104.	141.	138.	143.	144.	127.	137.	120.
1824	93.	120.	134.	158.	145.	133.	a	140.
1827	119.	b	158.	159.	155.	150.	150.	157.
1828	c	121.	157.	164.	177.	176.	170.	187.
1837	96.	128.	131.	143.	135.	139.	139.	146.
1840	96.	124.	141.	144.	153.	144.	132.	146.
1841	102.	140.	161.	172.	163.	166.	169.	172.
1843	111.	134.	145.	155.	155.	140.	135.	148.
1848	111.	151.	165.	172.	187.	197.	177.	201.
1852	93.	115.	137.	157.	164.	162.	165.	185.
1866	92.	119.	136.	148.	142.	106.	163.	185.
1873	82.	100.	108.	123.	107.	115.	106.	139.
1878	109.	137.	142.	160.	155.	162.	158.	158.
1884	102.	124.	130.	138.	135.	146.	140.	136.
1888	106.	147.	185.	189.	192.	190.	192.	200.
1889	91.	134.	155.	156.	146.	162.	161.	172.
1893	87.	117.	127.	147.	129.	124.	125.	138.
1898	92.	133.	141.	145.	147.	133.	145.	149.

DAYS = DAYS POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value was not recorded.
b. Spilled feed precluded the calculation of this value.
c. Soiled feed precluded the calculation of this value.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C18 (PAGE 1): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP - MG/KG/DAY - SUBSET 2									
I 0 (CARRIER)		II 0.1		III 1.0		IV 3.0		V 10.0	
RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)
1302	45	1305	47	1303	44	1301	49	1310	45
1308	43	1306	43	1304	42	1307	43	1320	43
1322	48	1311	45	1309	46	1314	47	1323	42
1331	44	1312	45	1315	45	1319	45	1324	45
1336	47	1313	49	1316	45	1326	45	1327	43
1347	45	1318	44	1317	43	1329	43	1328	45
1350	44	1334	51	1321	45	1332	43	1337	44
1357	43	1346	44	1325	44	1333	47	1340	44
1362	45	1353	45	1330	48	1338	47	1341	43
1367	43	1355	44	1335	47	1339	43	1343	47
1368	41	1356	47	1342	43	1345	42	1348	44
1370	76	1360	46	1344	45	1351	46	1352	44
1372	46	1363	47	1349	44	1359	43	1366	49
1377	45	1369	42	1354	50	1364	43	1373	43
1381	46	1371	47	1358	43	1365	47	1378	45
1385	44	1375	44	1361	43	1374	44	1384	60
1386	45	1379	42	1380	47	1376	46	1388	48
1390	45	1382	44	1391	46	1383	41	1389	41
1394	46	1395	46	1392	45	1387	43	1393	41
1396	41	1400	52	1399	43	1397	49	1398	45

DAY = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C18 (PAGE 2): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP - MG/KG/DAY - SUBSET 3									
I		II		III		IV		V	
0 (CARRIER)		0.1		1.0		3.0		10.0	
RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTAL SEPARATION (DAY)
1402	43	1405	49	1403	46	1401	48	1410	44
1408	47	1406	44	1404	45	1407	45	1420	45
1422	50	1411	46	1409	46	1414	45	1423	44
1431	44	1412	46	1415	44	1419	44	1424	45
1436	47	1413	48	1416	48	1426	48	1427	41
1447	44	1418	47	1417	45	1429	48	1428	46
1450	43	1434	45	1421	42	1432	45	1437	47
1457	43	1446	42	1425	43	1433	47	1440	47
1462	43	1453	45	1430	53	1438	47	1441	44
1467	45	1455	44	1435	43	1439	46	1443	44
1468	42	1456	44	1442	45	1445	43	1448	48
1470	46	1460	53	1444	48	1451	47	1452	48
1472	43	1463	47	1449	43	1459	41	1466	46
1477	46	1469	42	1454	48	1464	49	1473	48
1481	46	1471	46	1458	44	1465	46	1478	45
1485	45	1475	45	1461	45	1474	42	1484	44
1486	46	1479	44	1480	45	1476	45	1488	42
1490	41	1482	43	1491	46	1483	40	1489	42
1494	46	1495	46	1492	45	1487	51	1493	45
1496	45	1500	57	1499	46	1497	45	1498	46

DAY = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C18 (PAGE 3): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS

MATERNAL DOSAGE GROUP - MG/KG/DAY - SUBSET 4

I 0 (CARRIER)		II 0.1		III 1.0		IV 3.0		V 10.0	
RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTAL SEPARATION (DAY)
1502	42	1505	43	1503	43	1501	45	1510	49
1508	46	1506	45	1504	42	1507	45	1520	45
1522	46	1511	45	1509	45	1514	43	1523	42
1531	44	1512	45	1515	43	1519	45	1524	50
1536	43	1513	59	1516	46	1526	45	1527	42
1547	45	1518	43	1517	45	1529	45	1528	45
1550	47	1534	47	1521	43	1532	43	1537	45
1557	43	1546	47	1525	45	1533	54	1540	44
1562	47	1553	47	1530	47	1538	46	1541	50
1567	40	1555	44	1535	47	1539	45	1543	43
1568	43	1556	46	1542	45	1545	46	1548	46
1570	45	1560	45	1544	46	1551	43	1552	43
1572	45	1563	46	1549	43	1559	43	1566	46
1577	49	1569	a	1554	46	1564	44	1573	48
1581	46	1571	44	1558	46	1565	46	1578	43
1585	46	1575	47	1561	42	1574	42	1584	46
1586	46	1579	42	1580	46	1576	49	1588	41
1590	41	1582	46	1591	42	1583	43	1589	42
1594	48	1595	45	1592	45	1587	45	1593	43
1596	45	1600	51	1599	46	1597	46	1598	48

DAY = DAY POSTPARTUM
a. Rat 1569 was found dead on day 17 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C19 (PAGE 1): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP - MG/KG/DAY - SUBSET 2									
I		II		III		IV		V	
0 (CARRIER)		0.1		1.0		3.0		10.0	
RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)
1602	28	1605	32	1603	30	1601	32	1610	32
1608	29	1606	30	1604	33	1607	34	1620	30
1622	32	1611	32	1609	32	1614	29	1623	31
1631	32	1612	28	1615	28	1619	29	1624	32
1636	35	1613	32	1616	34	1626	32	1627	29
1647	33	1618	31	1617	33	1629	32	1628	33
1650	30	1634	31	1621	29	1632	32	1637	31
1657	33	1646	31	1625	29	1633	33	1640	31
1662	32	1653	33	1630	34	1638	33	1641	34
1667	31	1655	32	1635	32	1639	30	1643	29
1668	28	1656	35	1642	31	1645	30	1648	32
1670	28	1660	32	1644	32	1651	32	1652	32
1672	30	1663	32	1649	32	1659	31	1666	31
1677	29	1669	32	1654	34	1664	31	1673	34
1681	32	1671	32	1658	32	1665	32	1678	30
1685	32	1675	30	1661	32	1674	30	1684	32
1686	29	1679	30	1680	33	1676	33	1688	32
1690	29	1682	30	1691	31	1683	29	1689	31
1694	31	1695	31	1692	30	1687	32	1693	31
1696	34	1700	36	1699	31	1697	30	1698	30

DAY = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C19 (PAGE 2): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP - MG/KG/DAY - SUBSET 3									
I		II		III		IV		V	
0 (CARRIER)		0.1		1.0		3.0		10.0	
RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)
1702	32	1705	32	1703	33	1701	34	1710	32
1708	34	1706	29	1704	35	1707	33	1720	33
1722	34	1711	32	1709	33	1714	30	1723	29
1731	34	1712	33	1715	33	1719	34	1724	33
1736	34	1713	33	1716	38	1726	32	1727	29
1747	32	1718	29	1717	36	1729	29	1728	33
1750	29	1734	33	1721	28	1732	31	1737	30
1757	30	1746	30	1725	34	1733	34	1740	33
1762	33	1753	34	1730	32	1738	29	1741	31
1767	33	1755	33	1735	31	1739	33	1743	31
1768	29	1756	33	1742	35	1745	28	1748	32
1770	30	1760	30	1744	33	1751	34	1752	32
1772	32	1763	33	1749	33	1759	29	1766	33
1777	32	1769	32	1754	34	1764	28	1773	35
1781	30	1771	29	1758	29	1765	33	1778	30
1785	35	1775	31	1761	32	1774	32	1784	32
1786	30	1779	32	1780	28	1776	36	1788	34
1790	28	1782	32	1791	31	1783	29	1789	30
1794	33	1795	32	1792	32	1787	31	1793	29
1796	33	1800	34	1799	29	1797	31	1798	33

DAY = DAY POSTPARTUM

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE C19 (PAGE 3): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

MATERNAL DOSAGE GROUP - MG/KG/DAY - SUBSET 4									
I		II		III		IV		V	
0 (CARRIER)		0.1		1.0		3.0		10.0	
RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)
1802	29	1805	33	1803	30	1801	35	1810	32
1808	30	1806	35	1804	29	1807	35	1820	30
1822	31	1811	a	1809	31	1814	30	1823	32
1831	31	1812	32	1815	33	1819	33	1824	35
1836	32	1813	33	1816	34	1826	31	1827	31
1847	33	1818	32	1817	35	1829	32	1828	33
1850	32	1834	34	1821	31	1832	33	1837	30
1857	34	1846	31	1825	33	1833	34	1840	30
1862	33	1853	34	1830	34	1838	32	1841	33
1867	33	1855	34	1835	31	1839	31	1843	32
1868	30	1856	33	1842	32	1845	32	1848	30
1870	33	1860	31	1844	33	1851	32	1852	30
1872	33	1863	34	1849	30	1859	28	1866	34
1877	33	1869	29	1854	33	1864	33	1873	34
1881	34	1871	31	1858	32	1865	34	1878	34
1885	33	1875	32	1861	31	1874	31	1884	34
1886	31	1879	32	1880	32	1876	32	1888	33
1890	30	1882	33	1891	28	1883	28	1889	35
1894	31	1895	31	1892	33	1887	31	1893	32
1896	33	1900	b	1899	30	1897	30	1898	33

DAY = DAY POSTPARTUM
a. Rat 1811 was found dead on day 17 postpartum.
b. Rat 1900 was moribund sacrificed on day 24 postpartum.

APPENDIX D

REPORT TABLES - SUBSET 1

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D1 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	18	19	20	20
MORTALITY	N	0	0	0	0	0
APPEARED NORMAL	N	20	18	19	20	20

a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D2 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	20	20	20	20
MORTALITY	N	0	0	0	0	0
APPEARED NORMAL	N	20	20	20	20	20

a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D3 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	18	19	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	28.8 ± 3.3	28.0 ± 3.1	27.5 ± 3.1	28.2 ± 2.9	28.6 ± 4.1
BRAIN	MEAN±S.D.	1.37 ± 0.10	1.34 ± 0.09	1.32 ± 0.11	1.33 ± 0.09	1.34 ± 0.11
BRAIN (% TBW)	MEAN±S.D.	4.797 ± 0.442	4.830 ± 0.321	4.834 ± 0.300	4.747 ± 0.302	4.752 ± 0.424

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
% TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D4 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	27.3 ± 2.7	25.3 ± 5.7	26.7 ± 2.5	26.7 ± 3.1	27.8 ± 3.5
BRAIN	MEAN±S.D.	1.33 ± 0.08 [19]a	1.25 ± 0.21 [18]a	1.29 ± 0.10 [19]a	1.29 ± 0.10 [19]a	1.30 ± 0.10
BRAIN (% TBW)	MEAN±S.D.	4.887 ± 0.334 [19]a	5.169 ± 0.994 [18]a	4.804 ± 0.271 [19]a	4.858 ± 0.332 [19]a	4.731 ± 0.324

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
% TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that had organs damaged (weight affected).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D5 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (CARRIER)	2002	DP 12	ALL TISSUES APPEARED NORMAL.
	2008	DP 12	ALL TISSUES APPEARED NORMAL.
	2022	DP 12	ALL TISSUES APPEARED NORMAL.
	2031	DP 12	ALL TISSUES APPEARED NORMAL.
	2036	DP 12	ALL TISSUES APPEARED NORMAL.
	2047	DP 12	ALL TISSUES APPEARED NORMAL.
	2050	DP 12	ALL TISSUES APPEARED NORMAL.
	2057	DP 12	ALL TISSUES APPEARED NORMAL.
	2062	DP 12	ALL TISSUES APPEARED NORMAL.
	2067	DP 12	ALL TISSUES APPEARED NORMAL.
	2068	DP 12	ALL TISSUES APPEARED NORMAL.
	2070	DP 12	ALL TISSUES APPEARED NORMAL.
	2072	DP 12	ALL TISSUES APPEARED NORMAL.
	2077	DP 12	ALL TISSUES APPEARED NORMAL.
	2081	DP 12	ALL TISSUES APPEARED NORMAL.
	2085	DP 12	ALL TISSUES APPEARED NORMAL.
	2086	DP 12	ALL TISSUES APPEARED NORMAL.
	2090	DP 12	ALL TISSUES APPEARED NORMAL.
	2094	DP 12	ALL TISSUES APPEARED NORMAL.
	2096	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D5 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II 0.1	2005	DP 12	ALL TISSUES APPEARED NORMAL.
	2006	DP 12	ALL TISSUES APPEARED NORMAL.
	2011	DP 12	ALL TISSUES APPEARED NORMAL.
	2012	DP 12	ALL TISSUES APPEARED NORMAL.
	2013	DP 12	ALL TISSUES APPEARED NORMAL.
	2018	DP 12	ALL TISSUES APPEARED NORMAL.
	2046	DP 12	ALL TISSUES APPEARED NORMAL.
	2053	DP 12	ALL TISSUES APPEARED NORMAL.
	2055	DP 12	ALL TISSUES APPEARED NORMAL.
	2056	DP 12	ALL TISSUES APPEARED NORMAL.
	2060	DP 12	ALL TISSUES APPEARED NORMAL.
	2063	DP 12	ALL TISSUES APPEARED NORMAL.
	2069	DP 12	ALL TISSUES APPEARED NORMAL.
	2071	DP 12	ALL TISSUES APPEARED NORMAL.
	2075	DP 12	ALL TISSUES APPEARED NORMAL.
	2079	DP 12	ALL TISSUES APPEARED NORMAL.
	2082	DP 12	ALL TISSUES APPEARED NORMAL.
	2095	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D5 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III			
1.0	2003	DP 12	ALL TISSUES APPEARED NORMAL.
	2004	DP 12	ALL TISSUES APPEARED NORMAL.
	2015	DP 12	ALL TISSUES APPEARED NORMAL.
	2016	DP 12	ALL TISSUES APPEARED NORMAL.
	2017	DP 12	ALL TISSUES APPEARED NORMAL.
	2021	DP 12	ALL TISSUES APPEARED NORMAL.
	2025	DP 12	ALL TISSUES APPEARED NORMAL.
	2030	DP 12	ALL TISSUES APPEARED NORMAL.
	2035	DP 12	ALL TISSUES APPEARED NORMAL.
	2042	DP 12	ALL TISSUES APPEARED NORMAL.
	2044	DP 12	ALL TISSUES APPEARED NORMAL.
	2049	DP 12	ALL TISSUES APPEARED NORMAL.
	2054	DP 12	ALL TISSUES APPEARED NORMAL.
	2058	DP 12	ALL TISSUES APPEARED NORMAL.
	2061	DP 12	ALL TISSUES APPEARED NORMAL.
	2080	DP 12	ALL TISSUES APPEARED NORMAL.
	2091	DP 12	ALL TISSUES APPEARED NORMAL.
	2092	DP 12	ALL TISSUES APPEARED NORMAL.
	2099	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D5 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	2001	DP 12	ALL TISSUES APPEARED NORMAL.
	2007	DP 12	ALL TISSUES APPEARED NORMAL.
	2014	DP 12	ALL TISSUES APPEARED NORMAL.
	2019	DP 12	ALL TISSUES APPEARED NORMAL.
	2026	DP 12	ALL TISSUES APPEARED NORMAL.
	2029	DP 12	ALL TISSUES APPEARED NORMAL.
	2032	DP 12	ALL TISSUES APPEARED NORMAL.
	2033	DP 12	ALL TISSUES APPEARED NORMAL.
	2038	DP 12	ALL TISSUES APPEARED NORMAL.
	2039	DP 12	ALL TISSUES APPEARED NORMAL.
	2045	DP 12	ALL TISSUES APPEARED NORMAL.
	2051	DP 12	ALL TISSUES APPEARED NORMAL.
	2059	DP 12	ALL TISSUES APPEARED NORMAL.
	2064	DP 12	ALL TISSUES APPEARED NORMAL.
	2065	DP 12	ALL TISSUES APPEARED NORMAL.
	2074	DP 12	ALL TISSUES APPEARED NORMAL.
	2076	DP 12	ALL TISSUES APPEARED NORMAL.
	2083	DP 12	ALL TISSUES APPEARED NORMAL.
	2087	DP 12	ALL TISSUES APPEARED NORMAL.
	2097	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D5 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V 10.0	2010	DP 12	ALL TISSUES APPEARED NORMAL.
	2020	DP 12	ALL TISSUES APPEARED NORMAL.
	2023	DP 12	ALL TISSUES APPEARED NORMAL.
	2024	DP 12	ALL TISSUES APPEARED NORMAL.
	2027	DP 12	ALL TISSUES APPEARED NORMAL.
	2028	DP 12	ALL TISSUES APPEARED NORMAL.
	2037	DP 12	ALL TISSUES APPEARED NORMAL.
	2040	DP 12	ALL TISSUES APPEARED NORMAL.
	2041	DP 12	ALL TISSUES APPEARED NORMAL.
	2043	DP 12	ALL TISSUES APPEARED NORMAL.
	2048	DP 12	ALL TISSUES APPEARED NORMAL.
	2052	DP 12	ALL TISSUES APPEARED NORMAL.
	2066	DP 12	ALL TISSUES APPEARED NORMAL.
	2073	DP 12	ALL TISSUES APPEARED NORMAL.
	2078	DP 12	ALL TISSUES APPEARED NORMAL.
	2084	DP 12	ALL TISSUES APPEARED NORMAL.
	2088	DP 12	ALL TISSUES APPEARED NORMAL.
	2089	DP 12	ALL TISSUES APPEARED NORMAL.
	2093	DP 12	ALL TISSUES APPEARED NORMAL.
	2098	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D6 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (CARRIER)	2102	DP 12	ALL TISSUES APPEARED NORMAL.
	2108	DP 12	ALL TISSUES APPEARED NORMAL.
	2122	DP 12	ALL TISSUES APPEARED NORMAL.
	2131	DP 12	ALL TISSUES APPEARED NORMAL.
	2136	DP 12	ALL TISSUES APPEARED NORMAL.
	2147	DP 12	ALL TISSUES APPEARED NORMAL.
	2150	DP 12	ALL TISSUES APPEARED NORMAL.
	2157	DP 12	ALL TISSUES APPEARED NORMAL.
	2162	DP 12	ALL TISSUES APPEARED NORMAL.
	2167	DP 12	ALL TISSUES APPEARED NORMAL.
	2168	DP 12	ALL TISSUES APPEARED NORMAL.
	2170	DP 12	ALL TISSUES APPEARED NORMAL.
	2172	DP 12	ALL TISSUES APPEARED NORMAL.
	2177	DP 12	ALL TISSUES APPEARED NORMAL.
	2181	DP 12	ALL TISSUES APPEARED NORMAL.
	2185	DP 12	ALL TISSUES APPEARED NORMAL.
	2186	DP 12	ALL TISSUES APPEARED NORMAL.
	2190	DP 12	ALL TISSUES APPEARED NORMAL.
	2194	DP 12	ALL TISSUES APPEARED NORMAL.
	2196	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D6 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II			
0.1	2105	DP 12	ALL TISSUES APPEARED NORMAL.
	2106	DP 12	ALL TISSUES APPEARED NORMAL.
	2111	DP 12	ALL TISSUES APPEARED NORMAL.
	2112	DP 12	ALL TISSUES APPEARED NORMAL.
	2113	DP 12	ALL TISSUES APPEARED NORMAL.
	2118	DP 12	ALL TISSUES APPEARED NORMAL.
	2134	DP 12	ALL TISSUES APPEARED NORMAL.
	2146	DP 12	ALL TISSUES APPEARED NORMAL.
	2153	DP 12	ALL TISSUES APPEARED NORMAL.
	2155	DP 12	ALL TISSUES APPEARED NORMAL.
	2156	DP 12	ALL TISSUES APPEARED NORMAL.
	2160	DP 12	ALL TISSUES APPEARED NORMAL.
	2163	DP 12	ALL TISSUES APPEARED NORMAL.
	2169	DP 12	ALL TISSUES APPEARED NORMAL.
	2171	DP 12	ALL TISSUES APPEARED NORMAL.
	2175	DP 12	ALL TISSUES APPEARED NORMAL.
	2179	DP 12	ALL TISSUES APPEARED NORMAL.
	2182	DP 12	ALL TISSUES APPEARED NORMAL.
	2195	DP 12	ALL TISSUES APPEARED NORMAL.
	2200	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D6 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III 1.0	2103	DP 12	ALL TISSUES APPEARED NORMAL.
	2104	DP 12	ALL TISSUES APPEARED NORMAL.
	2109	DP 12	ALL TISSUES APPEARED NORMAL.
	2115	DP 12	ALL TISSUES APPEARED NORMAL.
	2116	DP 12	ALL TISSUES APPEARED NORMAL.
	2117	DP 12	ALL TISSUES APPEARED NORMAL.
	2121	DP 12	ALL TISSUES APPEARED NORMAL.
	2125	DP 12	ALL TISSUES APPEARED NORMAL.
	2130	DP 12	ALL TISSUES APPEARED NORMAL.
	2135	DP 12	ALL TISSUES APPEARED NORMAL.
	2142	DP 12	ALL TISSUES APPEARED NORMAL.
	2144	DP 12	ALL TISSUES APPEARED NORMAL.
	2149	DP 12	ALL TISSUES APPEARED NORMAL.
	2154	DP 12	ALL TISSUES APPEARED NORMAL.
	2158	DP 12	ALL TISSUES APPEARED NORMAL.
	2161	DP 12	ALL TISSUES APPEARED NORMAL.
	2180	DP 12	ALL TISSUES APPEARED NORMAL.
	2191	DP 12	ALL TISSUES APPEARED NORMAL.
	2192	DP 12	ALL TISSUES APPEARED NORMAL.
	2199	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D6 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	2101	DP 12	ALL TISSUES APPEARED NORMAL.
	2107	DP 12	ALL TISSUES APPEARED NORMAL.
	2114	DP 12	ALL TISSUES APPEARED NORMAL.
	2119	DP 12	ALL TISSUES APPEARED NORMAL.
	2126	DP 12	ALL TISSUES APPEARED NORMAL.
	2129	DP 12	ALL TISSUES APPEARED NORMAL.
	2132	DP 12	ALL TISSUES APPEARED NORMAL.
	2133	DP 12	ALL TISSUES APPEARED NORMAL.
	2138	DP 12	ALL TISSUES APPEARED NORMAL.
	2139	DP 12	ALL TISSUES APPEARED NORMAL.
	2145	DP 12	ALL TISSUES APPEARED NORMAL.
	2151	DP 12	ALL TISSUES APPEARED NORMAL.
	2159	DP 12	ALL TISSUES APPEARED NORMAL.
	2164	DP 12	ALL TISSUES APPEARED NORMAL.
	2165	DP 12	ALL TISSUES APPEARED NORMAL.
	2174	DP 12	ALL TISSUES APPEARED NORMAL.
	2176	DP 12	ALL TISSUES APPEARED NORMAL.
	2183	DP 12	ALL TISSUES APPEARED NORMAL.
	2187	DP 12	ALL TISSUES APPEARED NORMAL.
	2197	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D6 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V			
10.0	2110	DP 12	ALL TISSUES APPEARED NORMAL.
	2120	DP 12	ALL TISSUES APPEARED NORMAL.
	2123	DP 12	ALL TISSUES APPEARED NORMAL.
	2124	DP 12	ALL TISSUES APPEARED NORMAL.
	2127	DP 12	ALL TISSUES APPEARED NORMAL.
	2128	DP 12	ALL TISSUES APPEARED NORMAL.
	2137	DP 12	ALL TISSUES APPEARED NORMAL.
	2140	DP 12	ALL TISSUES APPEARED NORMAL.
	2141	DP 12	ALL TISSUES APPEARED NORMAL.
	2143	DP 12	ALL TISSUES APPEARED NORMAL.
	2148	DP 12	ALL TISSUES APPEARED NORMAL.
	2152	DP 12	ALL TISSUES APPEARED NORMAL.
	2166	DP 12	ALL TISSUES APPEARED NORMAL.
	2173	DP 12	ALL TISSUES APPEARED NORMAL.
	2178	DP 12	ALL TISSUES APPEARED NORMAL.
	2184	DP 12	ALL TISSUES APPEARED NORMAL.
	2188	DP 12	ALL TISSUES APPEARED NORMAL.
	2189	DP 12	ALL TISSUES APPEARED NORMAL.
	2193	DP 12	ALL TISSUES APPEARED NORMAL.
	2198	DP 12	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D7 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
2002	26.	1.38	5.31
2008	19.	1.21	6.37
2022	27.	1.26	4.67
2031	27.	1.26	4.67
2036	30.	1.36	4.53
2047	28.	1.37	4.89
2050	30.	1.34	4.47
2057	30.	1.36	4.53
2062	25.	1.25	5.00
2067	29.	1.39	4.79
2068	35.	1.55	4.43
2070	30.	1.41	4.70
2072	32.	1.51	4.72
2077	31.	1.40	4.52
2081	28.	1.37	4.89
2085	30.	1.27	4.23
2086	29.	1.37	4.72
2090	32.	1.58	4.94
2094	27.	1.34	4.96
2096	31.	1.43	4.61

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D7 (PAGE 2): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
2005	22.	1.11	5.04
2006	26.	1.27	4.88
2011	28.	1.38	4.93
2012	26.	1.33	5.12
2013	28.	1.36	4.86
2018	34.	1.47	4.32
2046	31.	1.47	4.74
2053	27.	1.29	4.78
2055	26.	1.26	4.85
2056	27.	1.36	5.04
2060	24.	1.28	5.33
2063	26.	1.32	5.08
2069	29.	1.24	4.28
2071	34.	1.41	4.15
2075	30.	1.44	4.80
2079	28.	1.36	4.86
2082	28.	1.47	5.25
2095	30.	1.39	4.63

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D7 (PAGE 3): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
2003	28.	1.28	4.57
2004	25.	1.30	5.20
2015	30.	1.40	4.67
2016	20.	1.06	5.30
2017	28.	1.27	4.54
2021	30.	1.32	4.40
2025	30.	1.50	5.00
2030	28.	1.29	4.61
2035	30.	1.41	4.70
2042	31.	1.43	4.61
2044	28.	1.32	4.71
2049	27.	1.39	5.15
2054	22.	1.12	5.09
2058	29.	1.28	4.41
2061	28.	1.33	4.75
2080	32.	1.51	4.72
2091	24.	1.26	5.25
2092	28.	1.37	4.89
2099	25.	1.32	5.28

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D7 (PAGE 4): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
2001	25.	1.34	5.36
2007	30.	1.29	4.30
2014	32.	1.46	4.56
2019	28.	1.29	4.61
2026	26.	1.24	4.77
2029	28.	1.39	4.96
2032	26.	1.32	5.08
2033	23.	1.18a	5.13
2038	26.	1.30	5.00
2039	28.	1.25	4.46
2045	32.	1.42	4.44
2051	29.	1.36	4.69
2059	28.	1.35	4.82
2064	29.	1.43	4.93
2065	25.	1.23	4.92
2074	30.	1.45	4.83
2076	29.	1.27	4.38
2083	35.	1.46	4.17
2087	29.	1.36	4.69
2097	25.	1.21	4.84

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight not considered affected).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D7 (PAGE 5): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
2010	28.	1.36	4.86
2020	29.	1.19	4.10
2023	30.	1.33a	4.43
2024	31.	1.40	4.52
2027	33.	1.44	4.36
2028	26.	1.25	4.81
2037	27.	1.35	5.00
2040	25.	1.29	5.16
2041	28.	1.29	4.61
2043	26.	1.32	5.08
2048	32.	1.47	4.59
2052	30.	1.36	4.53
2066	22.	1.10	5.00
2073	23.	1.30	5.65
2078	31.	1.53	4.94
2084	21.	1.17	5.57
2088	36.	1.52	4.22
2089	36.	1.49	4.14
2093	29.	1.36	4.69
2098	28.	1.34	4.78

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight not considered affected).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D8 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
2102	27.	1.36	5.04
2108	20.	1.18	5.90
2122	25.	1.23	4.92
2131	26.	1.24	4.77
2136	29.	1.36	4.69
2147	30.	1.34	4.47
2150	27.	1.30	4.81
2157	26.	1.25	4.81
2162	24.	1.26	5.25
2167	29.	1.35	4.66
2168	28.	1.42	5.07
2170	29.	1.34	4.62
2172	31.	1.52	4.90
2177	29.	1.37	4.72
2181	25.	1.28a	5.12
2185	28.	1.32	4.71
2186	25.	1.35	5.40
2190	31.	1.47	4.74
2194	27.	1.28	4.74
2196	30.	1.39	4.63

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D8 (PAGE 2): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
2105	10.	0.85	8.50
2106	26.	1.25a	4.81
2111	27.	1.34	4.96
2112	29.	1.29	4.45
2113	28.	1.29	4.61
2118	32.	1.43	4.47
2134	27.	1.26	4.67
2146	26.	1.36	5.23
2153	26.	1.34	5.15
2155	26.	1.24	4.77
2156	24.	1.37	5.71
2160	25.	1.39	5.56
2163	26.	1.20	4.62
2169	29.	1.22	4.21
2171	30.	1.33	4.43
2175	27.	1.34	4.96
2179	27.	1.35	5.00
2182	26.	1.38	5.31
2195	26.	1.31a	5.04
2200	9.	0.58b	6.44

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.
b. Damaged during processing (weight not considered affected).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D8 (PAGE 3): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
2103	29.	1.28	4.41
2104	28.	1.33	4.75
2109	21.	1.13a	5.38
2115	28.	1.31	4.68
2116	23.	1.08	4.70
2117	28.	1.22	4.36
2121	28.	1.28	4.57
2125	26.	1.38	5.31
2130	26.	1.23	4.73
2135	29.	1.40	4.83
2142	31.	1.50	4.84
2144	27.	1.34	4.96
2149	27.	1.32	4.89
2154	23.	1.12b	4.87
2158	26.	1.23	4.73
2161	25.	1.24	4.96
2180	31.	1.47	4.74
2191	25.	1.23	4.92
2192	26.	1.32	5.08
2199	27.	1.20	4.44

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight not considered affected).
b. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D8 (PAGE 4): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
2101	25.	1.29	5.16
2107	22.	1.15	5.23
2114	31.	1.42	4.58
2119	26.	1.22	4.69
2126	26.	1.22a	4.69
2129	24.	1.26	5.25
2132	23.	1.26	5.48
2133	23.	1.17	5.09
2138	28.	1.32	4.71
2139	26.	1.36	5.23
2145	33.	1.42	4.30
2151	26.	1.21	4.65
2159	29.	1.35	4.66
2164	27.	1.39	5.15
2165	25.	1.22	4.88
2174	28.	1.35	4.82
2176	25.	1.18	4.72
2183	34.	1.47	4.32
2187	27.	1.31	4.85
2197	26.	1.18	4.54

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE D8 (PAGE 5): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 1

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
2110	27.	1.25a	4.63
2120	28.	1.22	4.36
2123	28.	1.28	4.57
2124	29.	1.31	4.52
2127	34.	1.52a	4.47
2128	21.	1.14a	5.43
2137	25.	1.29	5.16
2140	24.	1.18	4.92
2141	27.	1.28	4.74
2143	27.	1.25	4.63
2148	31.	1.46	4.71
2152	30.	1.41	4.70
2166	22.	1.10	5.00
2173	26.	1.32	5.08
2178	28.	1.38	4.93
2184	25.	1.25	5.00
2188	33.	1.40	4.24
2189	34.	1.39	4.09
2193	27.	1.31	4.85
2198	29.	1.33	4.59

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = BRAIN WEIGHT. REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight not considered affected).

APPENDIX E

REPORT TABLES - SUBSET 2

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E1 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - SUMMARY - F1 GENERATION RATS - SUBSET 2

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
MALE RATS						
SESSION 1a	N	20	20	20	20	20
TRIALS TO CRITERION	MEAN±S.D.	4.6 ± 1.0	5.1 ± 2.5	5.2 ± 1.9	4.6 ± 0.9	4.4 ± 1.0
LATENCY TRIAL 1b	MEAN±S.D.	7.2 ± 5.0	6.8 ± 3.6	7.0 ± 4.6	7.1 ± 3.4	5.9 ± 2.5
LATENCY TRIAL 2b	MEAN±S.D.	22.2 ± 21.2	27.2 ± 20.8	30.4 ± 24.2	27.2 ± 16.6	24.6 ± 18.2
FAILED TO LEARN c	N	0	0	0	0	0
SESSION 2a	N	20	20	20	20	20
TRIALS TO CRITERION	MEAN±S.D.	2.9 ± 0.4	3.1 ± 0.8	3.4 ± 1.6	2.9 ± 0.8	3.1 ± 1.2
LATENCY TRIAL 1b	MEAN±S.D.	34.8 ± 20.8	25.4 ± 22.1	24.8 ± 23.2	41.8 ± 20.0	34.6 ± 24.1
FEMALE RATS						
SESSION 1a	N	20	20	20	20	20
TRIALS TO CRITERION	MEAN±S.D.	5.2 ± 1.7	5.1 ± 1.5	5.3 ± 1.9	5.0 ± 1.3	5.0 ± 2.8
LATENCY TRIAL 1b	MEAN±S.D.	6.8 ± 4.6	8.3 ± 4.8	7.2 ± 3.6	8.0 ± 3.5	8.0 ± 6.6
LATENCY TRIAL 2b	MEAN±S.D.	22.9 ± 17.6	24.3 ± 19.7	28.4 ± 21.9	25.4 ± 24.3	20.8 ± 17.1
FAILED TO LEARN c	N(%)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	1(5.0)
SESSION 2a	N	20	20	20	20	19
TRIALS TO CRITERION	MEAN±S.D.	3.8 ± 2.8	2.9 ± 0.8	2.8 ± 0.6	3.1 ± 1.1	2.8 ± 0.4
LATENCY TRIAL 1b	MEAN±S.D.	32.8 ± 24.2	32.8 ± 22.7	34.8 ± 22.6	33.4 ± 24.1	33.5 ± 18.8

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Number of rats that did not meet the criterion in Session 1 (Learning Phase); Session 2 (Retention Phase) values for these rats were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E2 (PAGE 1): WATERMAZE PERFORMANCE - SUMMARY - F1 GENERATION RATS - SUBSET 2

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
MALE RATS						
SESSION 1a	N	20	20	20	20	20
TRIALS TO CRITERION	MEAN±S.D.	10.0 ± 2.6	10.2 ± 3.1	8.8 ± 2.8	11.2 ± 3.1	8.8 ± 2.4
ERRORS PER TRIAL	MEAN±S.D.	0.49 ± 0.25	0.45 ± 0.21	0.39 ± 0.18	0.51 ± 0.27	0.38 ± 0.22
LATENCY TRIAL 2b	MEAN±S.D.	13.6 ± 7.3	16.8 ± 10.1	11.8 ± 6.9	16.0 ± 8.9	12.2 ± 7.5
FAILED TO LEARN c	N(%)	1(5.0)	2(10.0)	1(5.0)	4(20.0)	1(5.0)
SESSION 2a	N	19	18	19	16	18d
TRIALS TO CRITERION	MEAN±S.D.	5.7 ± 1.8	6.3 ± 2.0	7.5 ± 3.4	6.1 ± 1.4	5.4 ± 1.2
ERRORS PER TRIAL	MEAN±S.D.	0.06 ± 0.12	0.09 ± 0.12	0.18 ± 0.19*	0.13 ± 0.15	0.04 ± 0.11
LATENCY TRIAL 1b	MEAN±S.D.	7.8 ± 5.1	9.9 ± 7.3	12.8 ± 7.7	12.6 ± 7.0	9.2 ± 6.8
FEMALE RATS						
SESSION 1a	N	20	20	20	20	20
TRIALS TO CRITERION	MEAN±S.D.	9.2 ± 2.8	9.8 ± 3.0	9.7 ± 2.6	8.8 ± 2.9	10.0 ± 3.3
ERRORS PER TRIAL	MEAN±S.D.	0.42 ± 0.23	0.39 ± 0.20	0.40 ± 0.15	0.41 ± 0.20	0.43 ± 0.21
LATENCY TRIAL 2b	MEAN±S.D.	12.8 ± 8.1	13.5 ± 5.7	12.0 ± 5.3	17.2 ± 10.6	15.6 ± 7.8
FAILED TO LEARN c	N(%)	1(5.0)	1(5.0)	2(10.0)	1(5.0)	3(15.0)
SESSION 2a	N	19	18	18	19	17
TRIALS TO CRITERION	MEAN±S.D.	6.0 ± 1.7	6.5 ± 2.4	6.9 ± 2.8	6.8 ± 2.3	7.5 ± 3.1
ERRORS PER TRIAL	MEAN±S.D.	0.09 ± 0.15	0.19 ± 0.28	0.12 ± 0.13	0.13 ± 0.14	0.16 ± 0.20
LATENCY TRIAL 1b	MEAN±S.D.	9.2 ± 5.5	13.2 ± 12.9	9.7 ± 4.0	10.9 ± 6.6	13.1 ± 9.0

a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Number of rats that did not meet the criterion in Session 1 (Learning Phase); Session 2 (Retention Phase) values for these rats were excluded from group averages and statistical analyses.
d. Excludes values for rat 1341, which died during testing on day 68 postpartum.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E3 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	20	20	20	19b
FOUND DEAD	N	0	0	0	0	1c
APPEARED NORMAL	N	20	20	20	18	17
KIDNEYS:						
RIGHT, PELVIS,						
MODERATE DILATION	N	0	0	0	0	1
TESTES:						
LEFT OR RIGHT, SMALL,						
FLACCID AND/OR PURPLE	N	0	0	0	2	0
EPIDIDYMIDES:						
LEFT OR RIGHT, SMALL	N	0	0	0	2	0
EXTERNAL OBSERVATIONS:						
RED AND WET PERINASAL						
AND PERIORAL SUBSTANCE	N	0	0	0	0	1c

a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.
b. Excludes rat 1348; necropsy was not performed.
c. Rat 1341 was found dead on day 68 postpartum.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E4 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	20	20	20	20
MORTALITY	N	0	1b	0	0	0
APPEARED NORMAL	N	19	18b	19	19	19
KIDNEYS: LEFT, RIGHT OR BILATERAL PELVIS, SLIGHT TO MARKED DILATION	N	1	2	1	1	1

a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.
b. Rat 1700 was found dead on day 67 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E5 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
INCLUDED IN ANALYSES	N	20	20	20	20	19a
TERMINAL BODY WEIGHT	MEAN±S.D.	513.8 ± 55.8	541.0 ± 53.9	510.6 ± 36.5	510.4 ± 40.7	526.8 ± 48.8
THYROID	MEAN±S.D.	0.039 ± 0.006	0.038 ± 0.010	0.038 ± 0.005	0.039 ± 0.010	0.038 ± 0.007
THYROID (% TBW)b	MEAN±S.D.	7.746 ± 1.443	6.982 ± 1.500	7.415 ± 1.187	7.684 ± 1.863	7.166 ± 1.250

ALL WEIGHTS WERE RECORDED IN GRAMS (G). % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Excludes values for rat 1341, which was found dead on day 68 postpartum.
b. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS (SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E6 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
INCLUDED IN ANALYSES	N	20	19a	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	275.8 ± 25.3	286.7 ± 32.6	282.4 ± 23.0	284.7 ± 28.5	290.6 ± 41.0
THYROID	MEAN±S.D.	0.028 ± 0.004	0.028 ± 0.005	0.028 ± 0.005	0.029 ± 0.005	0.029 ± 0.005
THYROID (% TBW)b	MEAN±S.D.	10.150 ± 1.511	9.739 ± 1.439	10.110 ± 1.458	10.264 ± 1.871	9.950 ± 1.602

ALL WEIGHTS WERE RECORDED IN GRAMS (G). % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Excludes values for rat 1700, which was found dead on day 67 postpartum.

b. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E7 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1302	5	14	18	3	50
1308	3	13	60	3	53
1322	4	14	6	3	41
1331	4	6	55	3	29
1336	4	8	9	3	6
1347	5	4	4	3	7
1350	4	3	27	3	3
1357	4	3	11	3	53
1362	5	18	60	4	60
1367	4	15	48	3	22
1368	5	1	13	2	60
1370	5	7	6	3	35
1372	4	2	10	3	3
1377	3	4	60	3	15
1381	5	7	8	3	32
1385	5	6	10	3	52
1386	6	7	8	3	20
1390	5	4	5	2	60
1394	7	4	17	2	60
1396	6	3	9	3	36

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E7 (PAGE 2): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1305	5	3	3	3	5
1306	5	6	24	5	13
1311	4	6	3	3	10
1312	4	13	12	3	8
1313	4	3	54	4	2
1318	6	2	12	2	60
1334	4	9	16	3	9
1346	4	8	36	3	10
1353	3	9	60	3	35
1355	3	9	60	3	22
1356	4	9	4	3	7
1360	4	7	36	4	18
1363	4	17	57	3	10
1369	4	5	23	3	12
1371	4	6	33	3	14
1375	5	2	16	3	33
1379	8	5	10	2	60
1382	14	6	7	2	60
1395	5	5	60	2	60
1400	8	7	19	5	60

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E7 (PAGE 3): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

	SESSION 1a			SESSION 2a	
RAT NUMBER	TRIALS TO CRITERION	LATENCY b TRIAL 1	LATENCY b TRIAL 2	TRIALS TO CRITERION	LATENCY b TRIAL 1
1303	5	7	6	3	20
1304	3	16	60	3	3
1309	4	3	6	3	5
1315	6	4	7	3	18
1316	4	8	15	3	14
1317	5	9	60	3	15
1321	3	11	60	6	9
1325	4	7	45	4	60
1330	4	18	23	9	43
1335	4	1	50	3	6
1342	6	7	41	3	4
1344	6	4	26	3	23
1349	7	5	5	3	2
1354	3	13	60	3	28
1358	7	2	10	2	60
1361	4	5	60	2	60
1380	9	8	3	2	60
1391	5	3	4	2	60
1392	10	3	6	3	2
1399	5	6	60	4	4

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E7 (PAGE 4): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1301	4	6	43	4	35
1307	4	8	43	4	15
1314	6	4	14	3	44
1319	4	12	31	3	30
1326	4	4	12	2	60
1329	4	4	17	3	6
1332	4	3	18	4	60
1333	7	4	13	3	22
1338	4	10	40	3	41
1339	5	10	19	5	9
1345	5	4	20	3	35
1351	3	9	60	2	60
1359	5	8	14	2	60
1364	5	6	20	3	55
1365	5	6	60	2	60
1374	6	4	13	2	60
1376	4	9	52	2	60
1383	4	16	26	2	60
1387	4	5	6	3	54
1397	4	10	22	3	11

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E7 (PAGE 5): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1310	4	6	10	7	35
1320	4	3	30	2	60
1323	4	7	9	3	5
1324	6	1	7	3	5
1327	4	6	29	3	47
1328	3	7	60	3	9
1337	4	8	14	5	11
1340	4	7	30	4	15
1341	4	6	38	3	41
1343	4	7	9	3	13
1348	4	2	12	4	7
1352	4	6	27	3	7
1366	6	8	26	2	60
1373	5	5	60	2	60
1378	4	10	10	3	16
1384	7	2	2	2	60
1388	3	9	60	4	60
1389	5	7	22	2	60
1393	4	8	29	2	60
1398	5	3	9	2	60

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E8 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1602	4	2	8	3	4
1608	4	8	32	2	60
1622	6	3	7	3	8
1631	11	6	4	5	12
1636	4	5	11	3	17
1647	4	3	10	3	4
1650	6	5	17	6	5
1657	6	8	32	2	60
1662	6	1	8	3	14
1667	4	12	54	2	60
1668	4	22	46	2	60
1670	6	9	15	3	10
1672	5	1	10	4	60
1677	4	6	26	3	19
1681	6	9	19	3	40
1685	7	10	7	4	59
1686c	4	8	57	15	60
1690	4	7	38	3	32
1694	5	7	8	4	60
1696	4	5	49	3	13

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Rat did not meet the criterion in Session 2 (Retention Phase).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E8 (PAGE 2): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1605	8	11	21	3	12
1606	6	16	32	2	60
1611	5	4	5	3	9
1612	6	7	10	3	3
1613	4	12	8	2	60
1618	4	6	10	3	8
1634	5	6	43	3	36
1646	4	6	9	3	22
1653	3	20	60	3	13
1655	4	4	17	3	43
1656	4	11	23	2	60
1660	6	4	14	3	48
1663	8	3	6	5	3
1669	6	6	12	3	21
1671	4	9	36	3	49
1675	7	8	13	2	60
1679	5	6	2	5	17
1682	6	4	60	2	60
1695	3	6	60	2	60
1700	4	17	45	3	12

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E8 (PAGE 3): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1603	4	14	57	3	36
1604	5	6	11	2	60
1609	5	4	16	3	14
1615	9	4	3	3	4
1616	4	11	47	3	9
1617	6	11	5	3	46
1621	4	8	18	3	24
1625	5	7	14	4	10
1630	5	5	18	2	60
1635	3	11	60	3	51
1642	8	11	3	3	8
1644	6	10	60	2	60
1649	6	11	6	3	3
1654	9	2	8	2	60
1658	4	8	38	3	19
1661	4	6	50	4	60
1680	8	1	10	2	60
1691	3	3	60	3	24
1692	4	5	36	3	28
1699	4	6	47	2	60

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E8 (PAGE 4): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
1601	4	15	36	3	16
1607	3	10	60	3	5
1614	9	2	2	3	12
1619	5	5	24	3	38
1626	5	5	60	2	60
1629	3	5	60	3	33
1632	5	11	3	6	60
1633	5	6	5	3	7
1638	5	5	11	3	13
1639	6	8	14	3	32
1645	4	8	11	3	13
1651	4	9	5	3	4
1659	5	3	6	3	9
1664	5	11	7	4	60
1665	5	13	10	2	60
1674	5	5	60	2	60
1676	5	11	4	3	5
1683	7	9	60	6	60
1687	6	12	12	2	60
1697	4	6	59	2	60

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E8 (PAGE 5): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

	SESSION 1a			SESSION 2a	
RAT NUMBER	TRIALS TO CRITERION	LATENCY b TRIAL 1	LATENCY b TRIAL 2	TRIALS TO CRITERION	LATENCY b TRIAL 1
1610	6	31	12	3	29
1620	4	9	24	2	60
1623	6	8	11	3	30
1624	10	2	6	3	10
1627c	15	7	4	15	2
1628	4	8	41	3	20
1637	4	3	20	3	45
1640	5	8	2	3	19
1641	4	5	16	3	6
1643	4	8	38	3	29
1648	3	7	60	3	8
1652	4	1	15	2	60
1666	5	18	7	3	33
1673	4	7	31	2	60
1678	3	12	60	3	32
1684	4	5	11	3	57
1688	4	2	15	2	60
1689	4	9	22	3	30
1693	4	3	14	3	13
1698	4	8	7	3	36

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E9 (PAGE 1): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1302	10	0.40	8	5	0.00	4
1308	8	0.25	5	5	0.00	4
1322	15	0.40	5	5	0.00	4
1331	9	0.44	31	5	0.00	8
1336	10	0.40	11	5	0.00	6
1347	10	0.90	9	6	0.50	25
1350	7	0.28	14	9	0.11	6
1357	6	0.17	13	5	0.00	5
1362	10	0.70	24	6	0.17	16
1367	14	0.57	11	5	0.00	6
1368	9	0.44	14	5	0.00	7
1370	8	0.38	15	5	0.00	8
1372	9	0.33	14	6	0.17	13
1377	11	0.64	9	5	0.00	5
1381c	15	1.27	8	7	0.14	5
1385	14	0.43	18	12	0.17	6
1386	8	0.50	12	5	0.00	6
1390	7	0.43	28	5	0.00	7
1394	10	0.30	18	5	0.00	7
1396	11	0.54	5	5	0.00	5

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E9 (PAGE 2): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1305	10	0.30	9	5	0.00	7
1306	7	0.28	12	8	0.12	6
1311c	15	0.73	27	7	0.28	16
1312	11	0.91	22	8	0.12	6
1313	6	0.17	7	12	0.33	5
1318	11	0.54	30	5	0.00	4
1334	12	0.25	7	6	0.17	13
1346	7	0.43	30	5	0.00	8
1353	6	0.17	8	7	0.14	9
1355	8	0.50	24	5	0.00	5
1356	8	0.50	10	5	0.00	6
1360	9	0.33	10	5	0.00	4
1363	10	0.40	36	5	0.00	4
1369	14	0.43	12	5	0.00	6
1371	11	0.36	7	5	0.00	27
1375	6	0.17	8	6	0.17	15
1379	15	0.73	36	5	0.00	7
1382c	15	0.60	13	7	0.14	6
1395	10	0.40	15	6	0.33	25
1400	13	0.77	14	10	0.30	21

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E9 (PAGE 3): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

	SESSION 1a			SESSION 2a		
RAT NUMBER	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 2	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 1
1303	7	0.57	20	5	0.00	7
1304	9	0.56	18	5	0.00	4
1309	6	0.17	4	5	0.00	10
1315	6	0.17	5	5	0.00	8
1316c	15	0.47	4	8	0.25	6
1317	7	0.57	13	6	0.17	12
1321	9	0.33	8	15	0.27	8
1325	6	0.17	5	5	0.00	6
1330	9	0.44	6	5	0.00	8
1335	10	0.40	4	10	0.20	10
1342	11	0.36	13	6	0.33	20
1344	10	0.40	22	7	0.14	7
1349	10	0.30	21	5	0.00	9
1354	10	0.70	13	10	0.50	18
1358	11	0.18	9	10	0.20	23
1361	6	0.17	11	5	0.00	9
1380	6	0.67	12	15	0.33	12
1391	15	0.47	16	6	0.33	17
1392	8	0.50	27	6	0.33	21
1399	6	0.17	6	11	0.64	35

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E9 (PAGE 4): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

	SESSION 1a			SESSION 2a		
RAT NUMBER	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 2	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 1
1301	11	0.45	9	5	0.00	4
1307	7	0.57	33	6	0.50	21
1314	13	0.54	20	8	0.12	8
1319	6	0.33	5	9	0.33	5
1326	13	0.85	40	5	0.00	16
1329	10	0.30	18	6	0.33	21
1332	13	0.31	20	6	0.17	13
1333c	15	0.53	13	8	0.12	9
1338	11	0.64	10	9	0.11	11
1339	9	0.22	6	5	0.00	9
1345	9	0.33	23	7	0.14	9
1351	15	0.33	11	5	0.00	7
1359	11	0.27	9	5	0.00	5
1364	13	0.62	19	5	0.00	11
1365	7	0.28	19	6	0.17	28
1374c	15	1.07	19	5	0.00	10
1376c	15	0.93	13	8	0.12	9
1383c	15	0.40	16	6	0.17	17
1387	10	1.00	9	6	0.17	21
1397	6	0.17	7	5	0.00	12

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E9 (PAGE 5): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1310	6	0.17	10	5	0.00	8
1320	7	0.28	12	5	0.00	4
1323	12	0.92	5	5	0.00	7
1324	9	0.89	29	5	0.00	7
1327	9	0.22	5	5	0.00	5
1328	9	0.22	11	5	0.00	6
1337	9	0.33	5	5	0.00	6
1340	6	0.67	7	5	0.00	5
1341	8	0.25	10	2d	1.50	18
1343	6	0.17	10	5	0.00	6
1348	10	0.20	6	5	0.00	4
1352	6	0.33	14	10	0.30	14
1366	6	0.17	12	5	0.00	8
1373c	15	0.40	17	5	0.00	4
1378	8	0.38	6	5	0.00	7
1384	9	0.33	24	5	0.00	13
1388	11	0.45	28	5	0.00	10
1389	9	0.22	6	6	0.17	12
1393	12	0.33	9	6	0.33	34
1398	10	0.60	19	5	0.00	9

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.
d. Rat 1341 died during testing on day 68 postpartum; values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS (SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E10 (PAGE 1): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1602	7	0.28	15	5	0.00	4
1608	6	0.17	8	5	0.00	5
1622	6	0.67	8	5	0.00	5
1631	13	0.23	8	7	0.14	9
1636c	15	0.93	12	5	0.00	9
1647	7	0.43	14	6	0.17	19
1650	6	0.33	11	10	0.30	11
1657	10	0.90	18	5	0.00	6
1662	7	0.28	11	10	0.30	12
1667	9	0.33	12	7	0.14	5
1668	9	0.33	15	5	0.00	5
1670	10	0.30	7	5	0.00	7
1672	6	0.17	7	5	0.00	6
1677	10	0.20	8	5	0.00	12
1681	12	0.42	18	5	0.00	7
1685	6	0.33	11	5	0.00	6
1686	11	0.64	10	5	0.00	6
1690	9	0.33	8	5	0.00	8
1694	14	0.57	44	9	0.56	22
1696	11	0.64	10	6	0.17	20

SESSION = TEST SESSION

a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E10 (PAGE 2): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

	SESSION 1a			SESSION 2a		
RAT NUMBER	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 2	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 1
1605	9	0.56	13	5	0.00	4
1606	6	0.67	5	5	0.00	4
1611	6	0.17	11	7	0.43	14
1612	8	0.25	8	5	0.00	6
1613	10	0.80	24	5	0.00	7
1618	7	0.28	13	5	0.00	7
1634	13	0.46	10	7	0.14	10
1646	7	0.28	20	6	0.17	10
1653	10	0.30	21	5	0.00	6
1655c	15	0.40	9	5	0.00	10
1656	11	0.18	9	6	1.17	55
1660	15	0.47	10	6	0.17	12
1663	8	0.50	18	7	0.14	8
1669	7	0.28	22	5	0.00	7
1671	10	0.20	18	6	0.17	22
1675	10	0.30	7	10	0.20	5
1679	15	0.80	20	6	0.17	16
1682	12	0.42	14	6	0.17	10
1695	6	0.17	8	15	0.47	35
1700	11	0.27	10	FOUND DEAD ON DAY 67 POSTPARTUM		

SESSION = TEST SESSION

a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E10 (PAGE 3): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1603	13	0.46	10	6	0.17	11
1604	10	0.30	10	9	0.22	10
1609	9	0.22	6	5	0.00	5
1615c	15	0.73	7	6	0.17	17
1616	6	0.17	5	7	0.28	18
1617	7	0.28	12	5	0.00	11
1621	7	0.43	16	15	0.33	6
1625	10	0.30	12	5	0.00	5
1630	10	0.50	5	5	0.00	7
1635	11	0.36	22	5	0.00	10
1642	7	0.43	21	7	0.28	11
1644	10	0.50	11	5	0.00	8
1649	13	0.46	22	6	0.17	18
1654	8	0.38	5	12	0.33	15
1658	7	0.28	16	5	0.00	8
1661	10	0.50	12	8	0.25	5
1680	10	0.40	10	5	0.00	11
1691	8	0.38	12	5	0.00	9
1692	8	0.25	14	9	0.11	6
1699c	15	0.73	12	13	0.31	40

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E10 (PAGE 4): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1601	7	0.43	24	5	0.00	7
1607	11	0.64	22	5	0.00	7
1614	6	0.17	9	7	0.14	6
1619	9	0.33	15	5	0.00	6
1626	6	0.33	14	5	0.00	7
1629	8	0.62	32	5	0.00	4
1632	8	0.25	9	12	0.25	16
1633	14	0.21	7	8	0.38	9
1638	8	0.88	42	5	0.00	9
1639	6	0.17	19	10	0.40	28
1645	6	0.33	17	5	0.00	7
1651	10	0.40	8	5	0.00	5
1659	12	0.33	14	9	0.11	10
1664	10	0.30	6	7	0.14	10
1665	6	0.33	11	9	0.22	13
1674	10	0.40	11	6	0.17	8
1676c	15	0.73	16	9	0.44	32
1683	13	0.69	16	6	0.33	25
1687	6	0.33	42	5	0.00	11
1697	6	0.33	9	11	0.27	19

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E10 (PAGE 5): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
1610	6	0.17	10	12	0.33	12
1620	10	0.30	14	5	0.00	4
1623	9	0.33	20	5	0.00	6
1624	13	1.00	19	8	0.38	17
1627	9	0.56	10	5	0.00	29
1628	6	0.33	13	6	0.17	17
1637	6	0.17	11	5	0.00	4
1640	14	0.36	10	13	0.15	5
1641	11	0.54	16	5	0.00	8
1643	6	0.17	12	12	0.17	18
1648	13	0.54	13	10	0.20	20
1652	10	0.40	5	5	0.00	8
1666c	15	0.40	8	5	0.00	6
1673	9	0.33	17	5	0.00	6
1678c	15	0.67	39	5	0.00	10
1684	7	0.71	27	11	0.73	33
1688	12	0.50	12	10	0.40	6
1689	8	0.25	11	5	0.00	8
1693c	15	0.53	24	10	0.30	25
1698	7	0.28	20	6	0.17	22

SESSION = TEST SESSION
a. Session 1 (Learning Phase) and Session 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. This rat did not meet the criterion in Session 1 (learning); values for Session 2 (retention) were excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E11 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (CARRIER)	1302	DP 91	ALL TISSUES APPEARED NORMAL.
	1308	DP 91	ALL TISSUES APPEARED NORMAL.
	1322	DP 91	ALL TISSUES APPEARED NORMAL.
	1331	DP 91	ALL TISSUES APPEARED NORMAL.
	1336	DP 90	ALL TISSUES APPEARED NORMAL.
	1347	DP 91	ALL TISSUES APPEARED NORMAL.
	1350	DP 91	ALL TISSUES APPEARED NORMAL.
	1357	DP 91	ALL TISSUES APPEARED NORMAL.
	1362	DP 91	ALL TISSUES APPEARED NORMAL.
	1367	DP 91	ALL TISSUES APPEARED NORMAL.
	1368	DP 91	ALL TISSUES APPEARED NORMAL.
	1370	DP 91	ALL TISSUES APPEARED NORMAL.
	1372	DP 91	ALL TISSUES APPEARED NORMAL.
	1377	DP 91	ALL TISSUES APPEARED NORMAL.
	1381	DP 91	ALL TISSUES APPEARED NORMAL.
	1385	DP 92	ALL TISSUES APPEARED NORMAL.
	1386	DP 91	ALL TISSUES APPEARED NORMAL.
	1390	DP 91	ALL TISSUES APPEARED NORMAL.
	1394	DP 91	ALL TISSUES APPEARED NORMAL.
	1396	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E11 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II 0.1	1305	DP 91	ALL TISSUES APPEARED NORMAL.
	1306	DP 91	ALL TISSUES APPEARED NORMAL.
	1311	DP 91	ALL TISSUES APPEARED NORMAL.
	1312	DP 90	ALL TISSUES APPEARED NORMAL.
	1313	DP 90	ALL TISSUES APPEARED NORMAL.
	1318	DP 91	ALL TISSUES APPEARED NORMAL.
	1334	DP 91	ALL TISSUES APPEARED NORMAL.
	1346	DP 91	ALL TISSUES APPEARED NORMAL.
	1353	DP 91	ALL TISSUES APPEARED NORMAL.
	1355	DP 91	ALL TISSUES APPEARED NORMAL.
	1356	DP 92	ALL TISSUES APPEARED NORMAL.
	1360	DP 91	ALL TISSUES APPEARED NORMAL.
	1363	DP 91	ALL TISSUES APPEARED NORMAL.
	1369	DP 91	ALL TISSUES APPEARED NORMAL.
	1371	DP 91	ALL TISSUES APPEARED NORMAL.
	1375	DP 91	ALL TISSUES APPEARED NORMAL.
	1379	DP 91	ALL TISSUES APPEARED NORMAL.
	1382	DP 91	ALL TISSUES APPEARED NORMAL.
	1395	DP 91	ALL TISSUES APPEARED NORMAL.
	1400	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E11 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III			
1.0	1303	DP 91	ALL TISSUES APPEARED NORMAL.
	1304	DP 91	ALL TISSUES APPEARED NORMAL.
	1309	DP 90	ALL TISSUES APPEARED NORMAL.
	1315	DP 90	ALL TISSUES APPEARED NORMAL.
	1316	DP 90	ALL TISSUES APPEARED NORMAL.
	1317	DP 91	ALL TISSUES APPEARED NORMAL.
	1321	DP 91	ALL TISSUES APPEARED NORMAL.
	1325	DP 91	ALL TISSUES APPEARED NORMAL.
	1330	DP 91	ALL TISSUES APPEARED NORMAL.
	1335	DP 90	ALL TISSUES APPEARED NORMAL.
	1342	DP 91	ALL TISSUES APPEARED NORMAL.
	1344	DP 91	ALL TISSUES APPEARED NORMAL.
	1349	DP 91	ALL TISSUES APPEARED NORMAL.
	1354	DP 91	ALL TISSUES APPEARED NORMAL.
	1358	DP 91	ALL TISSUES APPEARED NORMAL.
	1361	DP 92	ALL TISSUES APPEARED NORMAL.
	1380	DP 91	ALL TISSUES APPEARED NORMAL.
	1391	DP 91	ALL TISSUES APPEARED NORMAL.
	1392	DP 91	ALL TISSUES APPEARED NORMAL.
	1399	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E11 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	1301	DP 91	ALL TISSUES APPEARED NORMAL.
	1307	DP 91	TESTES: LEFT, SMALL, PURPLE AND FLACCID (1.08 G). EPIDIDYMIDES: LEFT, SMALL (0.24 G). ALL OTHER TISSUES APPEARED NORMAL.
	1314	DP 90	ALL TISSUES APPEARED NORMAL.
	1319	DP 90	ALL TISSUES APPEARED NORMAL.
	1326	DP 90	ALL TISSUES APPEARED NORMAL.
	1329	DP 91	ALL TISSUES APPEARED NORMAL.
	1332	DP 91	ALL TISSUES APPEARED NORMAL.
	1333	DP 91	ALL TISSUES APPEARED NORMAL.
	1338	DP 91	ALL TISSUES APPEARED NORMAL.
	1339	DP 91	ALL TISSUES APPEARED NORMAL.
	1345	DP 91	ALL TISSUES APPEARED NORMAL.
	1351	DP 91	ALL TISSUES APPEARED NORMAL.
	1359	DP 91	ALL TISSUES APPEARED NORMAL.
	1364	DP 91	ALL TISSUES APPEARED NORMAL.
	1365	DP 91	ALL TISSUES APPEARED NORMAL.
	1374	DP 92	TESTES: RIGHT, SMALL AND FLACCID (0.92 G). EPIDIDYMIDES: RIGHT, SMALL (0.32 G). ALL OTHER TISSUES APPEARED NORMAL.
	1376	DP 92	ALL TISSUES APPEARED NORMAL.
	1383	DP 91	ALL TISSUES APPEARED NORMAL.
	1387	DP 91	ALL TISSUES APPEARED NORMAL.
	1397	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E11 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V 10.0	1310	DP 91	ALL TISSUES APPEARED NORMAL.
	1320	DP 91	ALL TISSUES APPEARED NORMAL.
	1323	DP 91	ALL TISSUES APPEARED NORMAL.
	1324	DP 90	ALL TISSUES APPEARED NORMAL.
	1327	DP 90	ALL TISSUES APPEARED NORMAL.
	1328	DP 91	ALL TISSUES APPEARED NORMAL.
	1337	DP 91	ALL TISSUES APPEARED NORMAL.
	1340	DP 91	ALL TISSUES APPEARED NORMAL.
	1341	DP 68	FOUND DEAD ON DAY 68 POSTPARTUM. EXTERNAL OBSERVATIONS: RED AND WET PERIORAL AND PERINASAL SUBSTANCE. ALL OTHER TISSUES APPEARED NORMAL.
	1343	DP 91	ALL TISSUES APPEARED NORMAL.
	1348b	-----	
	1352	DP 91	ALL TISSUES APPEARED NORMAL.
	1366	DP 91	ALL TISSUES APPEARED NORMAL.
	1373	DP 91	ALL TISSUES APPEARED NORMAL.
	1378	DP 91	ALL TISSUES APPEARED NORMAL.
	1384	DP 92	ALL TISSUES APPEARED NORMAL.
	1388	DP 91	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1389	DP 91	ALL TISSUES APPEARED NORMAL.
	1393	DP 91	ALL TISSUES APPEARED NORMAL.
	1398	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.
b. Necropsy not performed.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E12 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (CARRIER)	1602	DP 91	ALL TISSUES APPEARED NORMAL.
	1608	DP 91	ALL TISSUES APPEARED NORMAL.
	1622	DP 91	ALL TISSUES APPEARED NORMAL.
	1631	DP 91	ALL TISSUES APPEARED NORMAL.
	1636	DP 90	ALL TISSUES APPEARED NORMAL.
	1647	DP 91	KIDNEYS: LEFT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1650	DP 91	ALL TISSUES APPEARED NORMAL.
	1657	DP 91	ALL TISSUES APPEARED NORMAL.
	1662	DP 91	ALL TISSUES APPEARED NORMAL.
	1667	DP 91	ALL TISSUES APPEARED NORMAL.
	1668	DP 91	ALL TISSUES APPEARED NORMAL.
	1670	DP 91	ALL TISSUES APPEARED NORMAL.
	1672	DP 91	ALL TISSUES APPEARED NORMAL.
	1677	DP 91	ALL TISSUES APPEARED NORMAL.
	1681	DP 91	ALL TISSUES APPEARED NORMAL.
	1685	DP 92	ALL TISSUES APPEARED NORMAL.
	1686	DP 91	ALL TISSUES APPEARED NORMAL.
	1690	DP 91	ALL TISSUES APPEARED NORMAL.
	1694	DP 91	ALL TISSUES APPEARED NORMAL.
	1696	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E12 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II 0.1	1605	DP 91	ALL TISSUES APPEARED NORMAL.
	1606	DP 91	ALL TISSUES APPEARED NORMAL.
	1611	DP 91	ALL TISSUES APPEARED NORMAL.
	1612	DP 90	ALL TISSUES APPEARED NORMAL.
	1613	DP 90	ALL TISSUES APPEARED NORMAL.
	1618	DP 91	ALL TISSUES APPEARED NORMAL.
	1634	DP 91	ALL TISSUES APPEARED NORMAL.
	1646	DP 91	ALL TISSUES APPEARED NORMAL.
	1653	DP 91	ALL TISSUES APPEARED NORMAL.
	1655	DP 91	ALL TISSUES APPEARED NORMAL.
	1656	DP 92	ALL TISSUES APPEARED NORMAL.
	1660	DP 91	KIDNEYS: LEFT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1663	DP 91	ALL TISSUES APPEARED NORMAL.
	1669	DP 91	ALL TISSUES APPEARED NORMAL.
	1671	DP 91	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1675	DP 92	ALL TISSUES APPEARED NORMAL.
	1679	DP 91	ALL TISSUES APPEARED NORMAL.
	1682	DP 91	ALL TISSUES APPEARED NORMAL.
	1695	DP 91	ALL TISSUES APPEARED NORMAL.
	1700	DP 67	FOUND DEAD ON DAY 67 POSTPARTUM. ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E12 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III 1.0	1603	DP 91	ALL TISSUES APPEARED NORMAL.
	1604	DP 91	ALL TISSUES APPEARED NORMAL.
	1609	DP 90	KIDNEYS: BILATERAL, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1615	DP 90	ALL TISSUES APPEARED NORMAL.
	1616	DP 90	ALL TISSUES APPEARED NORMAL.
	1617	DP 91	ALL TISSUES APPEARED NORMAL.
	1621	DP 91	ALL TISSUES APPEARED NORMAL.
	1625	DP 91	ALL TISSUES APPEARED NORMAL.
	1630	DP 91	ALL TISSUES APPEARED NORMAL.
	1635	DP 90	ALL TISSUES APPEARED NORMAL.
	1642	DP 91	ALL TISSUES APPEARED NORMAL.
	1644	DP 91	ALL TISSUES APPEARED NORMAL.
	1649	DP 91	ALL TISSUES APPEARED NORMAL.
	1654	DP 91	ALL TISSUES APPEARED NORMAL.
	1658	DP 91	ALL TISSUES APPEARED NORMAL.
	1661	DP 92	ALL TISSUES APPEARED NORMAL.
	1680	DP 91	ALL TISSUES APPEARED NORMAL.
	1691	DP 91	ALL TISSUES APPEARED NORMAL.
	1692	DP 91	ALL TISSUES APPEARED NORMAL.
	1699	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E12 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	1601	DP 91	ALL TISSUES APPEARED NORMAL.
	1607	DP 91	ALL TISSUES APPEARED NORMAL.
	1614	DP 90	ALL TISSUES APPEARED NORMAL.
	1619	DP 90	ALL TISSUES APPEARED NORMAL.
	1626	DP 90	ALL TISSUES APPEARED NORMAL.
	1629	DP 91	ALL TISSUES APPEARED NORMAL.
	1632	DP 91	ALL TISSUES APPEARED NORMAL.
	1633	DP 91	ALL TISSUES APPEARED NORMAL.
	1638	DP 91	ALL TISSUES APPEARED NORMAL.
	1639	DP 91	ALL TISSUES APPEARED NORMAL.
	1645	DP 91	KIDNEYS: LEFT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1651	DP 91	ALL TISSUES APPEARED NORMAL.
	1659	DP 91	ALL TISSUES APPEARED NORMAL.
	1664	DP 91	ALL TISSUES APPEARED NORMAL.
	1665	DP 91	ALL TISSUES APPEARED NORMAL.
	1674	DP 92	ALL TISSUES APPEARED NORMAL.
	1676	DP 92	ALL TISSUES APPEARED NORMAL.
	1683	DP 91	ALL TISSUES APPEARED NORMAL.
	1687	DP 91	ALL TISSUES APPEARED NORMAL.
	1697	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E12 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V 10.0	1610	DP 91	ALL TISSUES APPEARED NORMAL.
	1620	DP 91	ALL TISSUES APPEARED NORMAL.
	1623	DP 91	ALL TISSUES APPEARED NORMAL.
	1624	DP 90	ALL TISSUES APPEARED NORMAL.
	1627	DP 90	ALL TISSUES APPEARED NORMAL.
	1628	DP 91	ALL TISSUES APPEARED NORMAL.
	1637	DP 91	ALL TISSUES APPEARED NORMAL.
	1640	DP 91	ALL TISSUES APPEARED NORMAL.
	1641	DP 91	ALL TISSUES APPEARED NORMAL.
	1643	DP 91	ALL TISSUES APPEARED NORMAL.
	1648	DP 91	ALL TISSUES APPEARED NORMAL.
	1652	DP 91	ALL TISSUES APPEARED NORMAL.
	1666	DP 91	ALL TISSUES APPEARED NORMAL.
	1673	DP 91	ALL TISSUES APPEARED NORMAL.
	1678	DP 91	KIDNEYS: RIGHT, PELVIS, MARKED DILATION; LEFT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1684	DP 92	ALL TISSUES APPEARED NORMAL.
	1688	DP 91	ALL TISSUES APPEARED NORMAL.
	1689	DP 91	ALL TISSUES APPEARED NORMAL.
	1693	DP 91	ALL TISSUES APPEARED NORMAL.
	1698	DP 91	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E13 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
1302	564.	0.046	8.16
1308	437.	0.042	9.61
1322	457.	0.036	7.88
1331	506.	0.033	6.52
1336	585.	0.038	6.50
1347	504.	0.038	7.54
1350	515.	0.053	10.29
1357	467.	0.041	8.78
1362	525.	0.028	5.33
1367	470.	0.044	9.36
1368	527.	0.040	7.59
1370	587.	0.050	8.52
1372	526.	0.036	6.84
1377	560.	0.045	8.04
1381	494.	0.038	7.69
1385	416.	0.036	8.65
1386	422.	0.041	9.72
1390	605.	0.032	5.29
1394	564.	0.038	6.74
1396	545.	0.032	5.87

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E13 (PAGE 2): TERMINAL BODY WEIGHTS AND THYROID WEIGHT AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
1305	450.	0.039	8.67
1306	562.	0.036	6.40
1311	568.	0.050	8.80
1312	550.	0.021	3.82
1313	497.	0.040	8.05
1318	581.	0.030	5.16
1334	566.	0.032	5.65
1346	543.	0.032	5.89
1353	573.	0.036	6.28
1355	483.	0.044	9.11
1356	555.	0.041	7.39
1360	523.	0.036	6.88
1363	527.	0.034	6.45
1369	561.	0.040	7.13
1371	649.	0.065	10.02
1375	553.	0.034	6.15
1379	622.	0.052	8.36
1382	476.	0.034	7.14
1395	554.	0.033	5.96
1400	426.	0.027	6.34

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E13 (PAGE 3): TERMINAL BODY WEIGHTS AND THYROID WEIGHT AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
1303	512.	0.044	8.59
1304	529.	0.032	6.05
1309	572.	0.038	6.64
1315	567.	0.043	7.58
1316	493.	0.034	6.90
1317	575.	0.035	6.09
1321	514.	0.032	6.22
1325	460.	0.044	9.56
1330	524.	0.034	6.49
1335	497.	0.039	7.85
1342	495.	0.038	7.68
1344	487.	0.032	6.57
1349	500.	0.038	7.60
1354	426.	0.042	9.86
1358	521.	0.050	9.60
1361	496.	0.033	6.65
1380	548.	0.040	7.30
1391	502.	0.031	6.18
1392	483.	0.037	7.66
1399	512.	0.037	7.23

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E13 (PAGE 4): TERMINAL BODY WEIGHTS AND THYROID WEIGHT AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
1301	518.	0.073	14.09
1307	534.	0.042	7.86
1314	461.	0.031	6.72
1319	582.	0.045	7.73
1326	487.	0.032	6.57
1329	573.	0.042	7.33
1332	517.	0.030	5.80
1333	486.	0.045	9.26
1338	567.	0.041	7.23
1339	473.	0.038	8.03
1345	433.	0.032	7.39
1351	512.	0.034	6.64
1359	534.	0.033	6.18
1364	516.	0.050	9.69
1365	475.	0.028	5.89
1374	531.	0.034	6.40
1376	462.	0.030	6.49
1383	554.	0.041	7.40
1387	515.	0.040	7.77
1397	477.	0.044	9.22

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E13 (PAGE 5): TERMINAL BODY WEIGHTS AND THYROID WEIGHT AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
1310	584.	0.039	6.68
1320	517.	0.029	5.61
1323	565.	0.045	7.96
1324	478.	0.036	7.53
1327	546.	0.039	7.14
1328	491.	0.037	7.54
1337	577.	0.035	6.06
1340	603.	0.037	6.14
1341b	---	0.035	----
1343	541.	0.040	7.39
1348	547.	0.039	7.13
1352	495.	0.032	6.46
1366	469.	0.032	6.82
1373	446.	0.029	6.50
1378	501.	0.033	6.59
1384	480.	0.030	6.25
1388	598.	0.035	5.85
1389	588.	0.054	9.18
1393	492.	0.043	8.74
1398	491.	0.052	10.59

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Rat 1341 was found dead day 68 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E14 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
1602	309.	0.035	11.33
1608	270.	0.032	11.85
1622	281.	0.027	9.61
1631	265.	0.019	7.17
1636	268.	0.023	8.58
1647	293.	0.031	10.58
1650	292.	0.024	8.22
1657	272.	0.027	9.93
1662	307.	0.026	8.47
1667	293.	0.036	12.29
1668	233.	0.026	11.16
1670	254.	0.030	11.81
1672	320.	0.028	8.75
1677	268.	0.030	11.19
1681	265.	0.028	10.57
1685	265.	0.033	12.45
1686	251.	0.028	11.16
1690	248.	0.022	8.87
1694	242.	0.024	9.92
1696	319.	0.029	9.09

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E14 (PAGE 2): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
1605	279.	0.023	8.24
1606	329.	0.029	8.81
1611	322.	0.035	10.87
1612	247.	0.028	11.34
1613	237.	0.027	11.39
1618	299.	0.032	10.70
1634	255.	0.021	8.24
1646	280.	0.026	9.28
1653	345.	0.029	8.40
1655	314.	0.028	8.92
1656	286.	0.029	10.14
1660	278.	0.030	10.79
1663	320.	0.031	9.69
1669	262.	0.023	8.78
1671	331.	0.042	12.69
1675	242.	0.024	9.92
1679	289.	0.019	6.57
1682	264.	0.028	10.61
1695	269.	0.026	9.66
1700b	---	0.031	----

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Rat 1700 was found dead on day 67 postpartum.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E14 (PAGE 3): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
1603	314.	0.031	9.87
1604	314.	0.024	7.64
1609	300.	0.031	10.33
1615	262.	0.026	9.92
1616	290.	0.026	8.96
1617	242.	0.028	11.57
1621	290.	0.028	9.66
1625	293.	0.033	11.26
1630	250.	0.023	9.20
1635	272.	0.028	10.29
1642	280.	0.024	8.57
1644	273.	0.030	10.99
1649	254.	0.031	12.20
1654	269.	0.028	10.41
1658	297.	0.032	10.77
1661	268.	0.027	10.07
1680	264.	0.022	8.33
1691	313.	0.029	9.26
1692	322.	0.045	13.98
1699	280.	0.025	8.93

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E14 (PAGE 4): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
1601	279.	0.024	8.60
1607	301.	0.035	11.63
1614	280.	0.032	11.43
1619	288.	0.023	7.99
1626	248.	0.026	10.48
1629	266.	0.029	10.90
1632	297.	0.028	9.43
1633	281.	0.028	9.96
1638	307.	0.025	8.14
1639	271.	0.022	8.12
1645	288.	0.030	10.42
1651	270.	0.022	8.15
1659	280.	0.028	10.00
1664	248.	0.033	13.31
1665	251.	0.031	12.35
1674	321.	0.035	10.90
1676	376.	0.028	7.45
1683	284.	0.040	14.08
1687	287.	0.028	9.76
1697	271.	0.033	12.18

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE E14 (PAGE 5): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 2

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
1610	287.	0.024	8.36
1620	314.	0.029	9.24
1623	337.	0.034	10.09
1624	250.	0.029	11.60
1627	320.	0.029	9.06
1628	362.	0.032	8.84
1637	336.	0.032	9.52
1640	296.	0.024	8.11
1641	288.	0.024	8.33
1643	300.	0.030	10.00
1648	367.	0.034	9.26
1652	276.	0.022	7.97
1666	260.	0.026	10.00
1673	236.	0.022	9.32
1678	307.	0.036	11.73
1684	218.	0.020	9.17
1688	282.	0.029	10.28
1689	265.	0.037	13.96
1693	237.	0.027	11.39
1698	274.	0.035	12.77

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

APPENDIX F

REPORT TABLES - SUBSET 3

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 1): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 14 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	24.9 ± 23.3	31.8 ± 24.9	23.1 ± 19.4	31.1 ± 22.8	23.2 ± 22.4
BLOCK 2	MEAN ± S.D.	29.7 ± 23.4	27.1 ± 22.6	25.2 ± 25.4	28.8 ± 28.7	34.2 ± 30.6
BLOCK 3	MEAN ± S.D.	22.0 ± 21.4	29.6 ± 27.5	28.5 ± 29.4	25.1 ± 28.6	30.4 ± 28.6
BLOCK 4	MEAN ± S.D.	16.0 ± 15.0	28.6 ± 31.6	29.2 ± 26.3	28.2 ± 29.8	26.0 ± 29.0
BLOCK 5	MEAN ± S.D.	15.8 ± 15.1	18.0 ± 22.5	23.6 ± 24.3	29.4 ± 27.4	12.2 ± 25.8
BLOCK 6	MEAN ± S.D.	17.8 ± 22.7	16.8 ± 24.0	20.3 ± 27.2	29.0 ± 27.3	15.0 ± 23.7
BLOCK 7	MEAN ± S.D.	16.2 ± 20.5	16.8 ± 25.4	13.6 ± 22.2	22.4 ± 28.2	22.7 ± 28.0
BLOCK 8	MEAN ± S.D.	19.4 ± 23.6	17.9 ± 21.4	11.0 ± 18.1	23.4 ± 31.8	23.6 ± 29.3
BLOCK 9	MEAN ± S.D.	16.0 ± 25.8	12.5 ± 17.4	7.0 ± 18.8	18.2 ± 20.1	18.5 ± 24.8
BLOCK 10	MEAN ± S.D.	5.0 ± 7.2	13.6 ± 22.2	7.0 ± 19.9	22.0 ± 26.7*	15.9 ± 25.3
BLOCK 11	MEAN ± S.D.	6.0 ± 12.3	13.4 ± 19.8	10.0 ± 18.8	17.3 ± 23.8	18.0 ± 28.7
BLOCK 12	MEAN ± S.D.	10.2 ± 16.8	13.6 ± 16.4	7.2 ± 15.0	19.4 ± 24.5	22.6 ± 29.7
BLOCK 13	MEAN ± S.D.	7.4 ± 13.5	7.9 ± 10.2	11.5 ± 22.3	15.7 ± 25.5	19.0 ± 28.7
BLOCK 14	MEAN ± S.D.	6.0 ± 9.6	11.0 ± 15.4	13.6 ± 19.1	17.4 ± 22.8	23.6 ± 31.6*
BLOCK 15	MEAN ± S.D.	5.5 ± 10.4	11.9 ± 21.2	13.8 ± 26.1	7.1 ± 9.6	23.4 ± 30.4*
BLOCK 16	MEAN ± S.D.	5.8 ± 14.0	11.1 ± 17.8	13.6 ± 23.2	7.6 ± 15.6	26.4 ± 32.5*
BLOCK 17	MEAN ± S.D.	7.0 ± 8.8	16.6 ± 25.6	19.2 ± 28.3	8.1 ± 10.2	23.6 ± 27.3
BLOCK 18	MEAN ± S.D.	13.5 ± 20.4	15.4 ± 25.3	18.2 ± 28.9	11.4 ± 16.4	25.5 ± 32.7
TOTAL	MEAN ± S.D.	244.0 ± 162.8	313.4 ± 177.2	295.6 ± 264.1	361.6 ± 295.1	403.6 ± 309.6

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 2): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 14 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	19.2 ± 22.1	27.6 ± 34.0	15.0 ± 16.2	23.7 ± 26.0	15.4 ± 18.6
BLOCK 2	MEAN ± S.D.	27.3 ± 32.0	24.2 ± 34.2	19.6 ± 26.9	27.0 ± 36.0	28.0 ± 35.4
BLOCK 3	MEAN ± S.D.	17.8 ± 25.3	27.6 ± 38.1	23.2 ± 26.8	24.8 ± 36.1	26.4 ± 34.0
BLOCK 4	MEAN ± S.D.	10.0 ± 14.9	30.0 ± 41.0	27.2 ± 32.2	32.2 ± 48.0	22.4 ± 36.6
BLOCK 5	MEAN ± S.D.	10.6 ± 13.5	18.4 ± 30.5	19.4 ± 26.2	25.8 ± 33.6	12.2 ± 29.7
BLOCK 6	MEAN ± S.D.	13.0 ± 22.5	12.9 ± 22.4	18.0 ± 28.2	28.3 ± 38.2	11.2 ± 24.2
BLOCK 7	MEAN ± S.D.	14.6 ± 27.4	11.4 ± 21.5	10.1 ± 20.2	18.8 ± 31.2	18.4 ± 28.0
BLOCK 8	MEAN ± S.D.	19.4 ± 30.6	13.7 ± 22.6	6.8 ± 15.8	21.7 ± 40.7	22.7 ± 35.8
BLOCK 9	MEAN ± S.D.	15.8 ± 30.4	9.8 ± 18.5	5.1 ± 20.3	14.4 ± 20.0	16.0 ± 27.3
BLOCK 10	MEAN ± S.D.	2.4 ± 4.2	10.1 ± 22.4	4.6 ± 18.2	23.4 ± 38.4*	16.1 ± 30.9
BLOCK 11	MEAN ± S.D.	3.2 ± 12.0	9.8 ± 20.6	7.2 ± 18.2	19.6 ± 34.8	18.4 ± 36.3
BLOCK 12	MEAN ± S.D.	9.0 ± 25.2	10.6 ± 18.6	5.1 ± 15.0	20.4 ± 34.7	22.7 ± 37.2
BLOCK 13	MEAN ± S.D.	5.6 ± 19.9	4.4 ± 10.0	9.7 ± 26.2	17.7 ± 39.4	16.6 ± 31.6
BLOCK 14	MEAN ± S.D.	3.2 ± 9.0	8.6 ± 15.9	8.8 ± 16.2	15.7 ± 33.0	25.0 ± 39.6*
BLOCK 15	MEAN ± S.D.	2.2 ± 5.3	9.3 ± 23.5	11.4 ± 28.4	3.2 ± 6.7	23.0 ± 36.7*
BLOCK 16	MEAN ± S.D.	2.9 ± 10.4	10.6 ± 21.1	10.7 ± 20.6	5.4 ± 18.1	26.0 ± 43.3*
BLOCK 17	MEAN ± S.D.	2.7 ± 6.5	14.1 ± 25.4	18.0 ± 33.6	5.2 ± 9.7	17.4 ± 26.8
BLOCK 18	MEAN ± S.D.	7.0 ± 15.2	14.6 ± 32.6	18.7 ± 39.6	9.8 ± 19.4	25.8 ± 40.2
TOTAL	MEAN ± S.D.	186.0 ± 184.8	267.8 ± 229.2	238.5 ± 277.3	337.0 ± 437.8	363.8 ± 396.9

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 3): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 14 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	34.6 ± 24.5	27.0 ± 23.2	22.8 ± 20.4	29.0 ± 20.2	22.2 ± 17.7
BLOCK 2	MEAN ± S.D.	42.8 ± 28.0	34.2 ± 23.1	22.4 ± 24.6*	28.2 ± 24.4	33.1 ± 28.3
BLOCK 3	MEAN ± S.D.	37.8 ± 31.0	33.2 ± 21.0	25.9 ± 25.5	27.3 ± 23.8	29.1 ± 32.0
BLOCK 4	MEAN ± S.D.	37.2 ± 27.2	33.5 ± 26.4	29.8 ± 29.7	24.0 ± 27.0	31.0 ± 31.6
BLOCK 5	MEAN ± S.D.	30.4 ± 27.2	19.9 ± 21.3	20.3 ± 25.7	19.4 ± 24.2	27.2 ± 31.5
BLOCK 6	MEAN ± S.D.	26.2 ± 25.8	21.6 ± 22.7	16.0 ± 22.0	19.1 ± 18.3	28.0 ± 28.6
BLOCK 7	MEAN ± S.D.	20.1 ± 20.6	20.9 ± 26.8	18.7 ± 24.3	22.8 ± 24.3	18.6 ± 20.2
BLOCK 8	MEAN ± S.D.	19.6 ± 27.3	21.4 ± 26.2	18.1 ± 25.2	25.2 ± 24.8	17.0 ± 23.1
BLOCK 9	MEAN ± S.D.	17.6 ± 26.8	13.4 ± 18.7	8.5 ± 15.4	16.4 ± 24.0	15.4 ± 22.4
BLOCK 10	MEAN ± S.D.	18.0 ± 27.8	12.2 ± 21.3	8.8 ± 14.4	12.0 ± 17.9	20.7 ± 28.2
BLOCK 11	MEAN ± S.D.	13.9 ± 21.7	6.9 ± 12.4	14.4 ± 26.4	13.0 ± 23.5	21.2 ± 25.2
BLOCK 12	MEAN ± S.D.	14.2 ± 25.2	13.5 ± 21.7	11.2 ± 22.8	18.1 ± 23.5	18.2 ± 27.6
BLOCK 13	MEAN ± S.D.	16.9 ± 24.7	14.7 ± 21.1	10.6 ± 22.8	21.0 ± 27.4	13.4 ± 21.8
BLOCK 14	MEAN ± S.D.	8.8 ± 11.0	9.3 ± 19.0	14.2 ± 25.9	14.4 ± 20.2	15.3 ± 25.8
BLOCK 15	MEAN ± S.D.	13.6 ± 23.0	9.5 ± 20.5	11.0 ± 24.1	11.9 ± 22.9	19.1 ± 26.7
BLOCK 16	MEAN ± S.D.	14.7 ± 25.2	9.6 ± 17.3	11.1 ± 23.3	7.5 ± 19.0	13.4 ± 23.8
BLOCK 17	MEAN ± S.D.	13.8 ± 26.4	9.0 ± 18.6	17.4 ± 28.1	6.6 ± 16.4	15.6 ± 21.5
BLOCK 18	MEAN ± S.D.	13.4 ± 23.7	8.8 ± 17.1	19.2 ± 29.2	6.6 ± 14.8	10.0 ± 16.9
TOTAL	MEAN ± S.D.	393.6 ± 330.5	318.6 ± 238.5	300.4 ± 307.5	322.3 ± 239.3	368.4 ± 299.5

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 4): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 14 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	37.2 ± 37.6	26.5 ± 37.2	18.0 ± 19.7	23.0 ± 22.1	13.0 ± 11.7*
BLOCK 2	MEAN ± S.D.	43.7 ± 37.9	33.6 ± 34.9	20.9 ± 28.6	20.4 ± 24.4	25.2 ± 24.8
BLOCK 3	MEAN ± S.D.	40.2 ± 33.8	30.0 ± 28.6	24.0 ± 30.2	26.0 ± 31.5	25.4 ± 31.4
BLOCK 4	MEAN ± S.D.	38.0 ± 32.5	36.9 ± 40.9	31.1 ± 39.7	25.0 ± 37.7	30.4 ± 36.7
BLOCK 5	MEAN ± S.D.	31.4 ± 37.0	24.9 ± 33.5	20.4 ± 32.3	20.6 ± 35.1	25.8 ± 37.9
BLOCK 6	MEAN ± S.D.	24.4 ± 27.6	23.0 ± 30.4	14.2 ± 26.2	19.1 ± 27.0	25.0 ± 32.9
BLOCK 7	MEAN ± S.D.	22.4 ± 36.3	23.5 ± 38.5	17.8 ± 30.4	21.3 ± 33.1	15.9 ± 22.8
BLOCK 8	MEAN ± S.D.	21.8 ± 35.7	24.8 ± 39.0	16.4 ± 25.8	24.5 ± 33.8	17.6 ± 31.2
BLOCK 9	MEAN ± S.D.	23.6 ± 43.7	12.4 ± 23.6	7.6 ± 19.4	21.0 ± 45.0	17.4 ± 31.7
BLOCK 10	MEAN ± S.D.	21.5 ± 40.7	14.3 ± 33.4	5.7 ± 13.8	10.0 ± 18.6	22.4 ± 37.6
BLOCK 11	MEAN ± S.D.	16.8 ± 31.5	7.7 ± 21.4	16.2 ± 35.8	9.9 ± 24.7	20.6 ± 28.1
BLOCK 12	MEAN ± S.D.	18.2 ± 38.0	14.9 ± 31.8	14.6 ± 37.2	19.8 ± 33.4	18.3 ± 33.4
BLOCK 13	MEAN ± S.D.	19.4 ± 38.2	15.2 ± 30.1	12.2 ± 35.4	22.7 ± 40.4	15.3 ± 33.3
BLOCK 14	MEAN ± S.D.	6.8 ± 15.7	10.8 ± 34.2	16.9 ± 39.0	12.4 ± 24.4	15.2 ± 31.2
BLOCK 15	MEAN ± S.D.	14.8 ± 30.5	17.7 ± 53.2	11.0 ± 26.9	13.8 ± 37.7	23.0 ± 38.8
BLOCK 16	MEAN ± S.D.	17.3 ± 35.9	11.4 ± 26.0	10.6 ± 32.8	7.8 ± 26.3	14.6 ± 34.5
BLOCK 17	MEAN ± S.D.	16.7 ± 39.7	11.0 ± 37.8	18.9 ± 37.4	7.2 ± 25.8	16.6 ± 31.4
BLOCK 18	MEAN ± S.D.	15.8 ± 37.8	10.2 ± 34.0	21.6 ± 39.5	6.6 ± 23.0	7.6 ± 21.2
TOTAL	MEAN ± S.D.	429.8 ± 471.0	348.9 ± 428.6	298.2 ± 415.0	310.9 ± 372.6	349.3 ± 379.9

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 5): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 18 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	44.6 ± 28.9	56.3 ± 21.4	42.6 ± 24.0	37.8 ± 27.2	45.2 ± 26.3
BLOCK 2	MEAN ± S.D.	34.3 ± 27.1	56.0 ± 21.5*	32.8 ± 28.0	39.6 ± 25.7	39.0 ± 25.6
BLOCK 3	MEAN ± S.D.	35.8 ± 24.3	49.2 ± 23.6	36.3 ± 26.0	35.2 ± 23.0	34.8 ± 27.4
BLOCK 4	MEAN ± S.D.	32.2 ± 30.5	39.2 ± 29.8	30.0 ± 27.4	27.4 ± 26.3	34.8 ± 30.7
BLOCK 5	MEAN ± S.D.	34.4 ± 31.1	26.8 ± 31.1	34.1 ± 34.0	27.0 ± 27.8	31.4 ± 29.8
BLOCK 6	MEAN ± S.D.	35.3 ± 34.6	27.4 ± 34.0	28.2 ± 28.2	23.1 ± 26.8	26.4 ± 31.1
BLOCK 7	MEAN ± S.D.	32.4 ± 29.1	26.4 ± 31.2	26.6 ± 27.7	16.8 ± 24.0	33.0 ± 34.7
BLOCK 8	MEAN ± S.D.	32.0 ± 34.0	25.6 ± 31.4	24.3 ± 32.4	18.7 ± 27.3	28.4 ± 37.0
BLOCK 9	MEAN ± S.D.	27.6 ± 33.7	20.4 ± 32.2	13.6 ± 21.3	22.0 ± 26.1	17.6 ± 26.4
BLOCK 10	MEAN ± S.D.	23.0 ± 30.2	25.0 ± 28.3	15.6 ± 23.9	17.6 ± 24.0	19.6 ± 27.3
BLOCK 11	MEAN ± S.D.	21.0 ± 31.4	25.2 ± 30.1	17.5 ± 25.4	16.8 ± 26.2	16.0 ± 24.0
BLOCK 12	MEAN ± S.D.	21.1 ± 29.3	26.2 ± 33.4	19.5 ± 26.0	18.0 ± 28.2	20.0 ± 26.4
BLOCK 13	MEAN ± S.D.	21.2 ± 27.8	24.7 ± 31.7	14.6 ± 26.2	20.1 ± 30.9	16.9 ± 24.8
BLOCK 14	MEAN ± S.D.	20.4 ± 29.0	21.6 ± 29.8	16.0 ± 25.7	24.2 ± 31.9	19.5 ± 29.7
BLOCK 15	MEAN ± S.D.	14.6 ± 26.8	16.8 ± 26.3	15.2 ± 25.0	19.6 ± 27.2	13.8 ± 27.0
BLOCK 16	MEAN ± S.D.	12.4 ± 22.1	17.3 ± 28.0	16.4 ± 26.9	15.9 ± 25.9	18.0 ± 30.1
BLOCK 17	MEAN ± S.D.	16.8 ± 28.6	18.5 ± 28.0	15.2 ± 26.2	15.2 ± 23.5	16.3 ± 26.5
BLOCK 18	MEAN ± S.D.	13.9 ± 26.4	20.2 ± 32.1	16.5 ± 21.0	7.6 ± 16.1	17.3 ± 26.3
TOTAL	MEAN ± S.D.	472.9 ± 388.4	522.4 ± 379.8	415.0 ± 271.3	402.6 ± 306.9	448.1 ± 329.2

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 6): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 18 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	49.9 ± 44.0	70.0 ± 41.0	42.0 ± 35.8	40.4 ± 43.4	50.0 ± 45.0
BLOCK 2	MEAN ± S.D.	43.6 ± 44.8	65.6 ± 33.5	35.5 ± 42.8	43.6 ± 38.6	43.3 ± 46.7
BLOCK 3	MEAN ± S.D.	44.8 ± 41.0	56.8 ± 38.6	45.5 ± 48.0	42.2 ± 40.4	40.7 ± 48.5
BLOCK 4	MEAN ± S.D.	42.3 ± 49.6	54.6 ± 53.6	34.3 ± 46.1	28.7 ± 33.7	46.4 ± 54.6
BLOCK 5	MEAN ± S.D.	40.2 ± 45.5	32.8 ± 45.5	39.9 ± 45.3	29.7 ± 33.7	43.0 ± 50.3
BLOCK 6	MEAN ± S.D.	46.8 ± 56.4	36.4 ± 53.7	28.6 ± 39.1	27.7 ± 35.4	33.8 ± 48.2
BLOCK 7	MEAN ± S.D.	49.7 ± 58.2	35.0 ± 51.7	32.0 ± 42.4	19.4 ± 31.7	41.6 ± 53.1
BLOCK 8	MEAN ± S.D.	46.3 ± 55.1	36.4 ± 54.8	29.6 ± 45.6	24.4 ± 40.3	32.6 ± 48.4
BLOCK 9	MEAN ± S.D.	39.3 ± 52.1	28.4 ± 54.2	14.2 ± 28.6	22.8 ± 31.8	23.8 ± 45.9
BLOCK 10	MEAN ± S.D.	29.4 ± 44.2	37.2 ± 61.8	22.8 ± 41.4	22.2 ± 38.1	21.6 ± 37.1
BLOCK 11	MEAN ± S.D.	28.6 ± 51.9	37.9 ± 59.7	21.6 ± 40.2	20.0 ± 34.8	16.8 ± 30.2
BLOCK 12	MEAN ± S.D.	29.4 ± 51.5	34.6 ± 53.1	23.0 ± 38.2	20.9 ± 39.2	28.8 ± 46.1
BLOCK 13	MEAN ± S.D.	29.8 ± 45.0	38.0 ± 62.4	17.3 ± 39.1	20.3 ± 35.1	24.0 ± 45.8
BLOCK 14	MEAN ± S.D.	34.8 ± 57.4	33.2 ± 63.6	21.3 ± 39.4	31.3 ± 45.0	27.2 ± 49.9
BLOCK 15	MEAN ± S.D.	22.0 ± 45.7	26.4 ± 52.8	19.0 ± 37.3	24.4 ± 38.5	19.0 ± 44.9
BLOCK 16	MEAN ± S.D.	19.2 ± 42.2	31.2 ± 63.7	19.6 ± 38.6	17.2 ± 32.1	22.2 ± 45.8
BLOCK 17	MEAN ± S.D.	21.6 ± 47.5	30.8 ± 60.4	18.3 ± 37.3	17.4 ± 30.7	23.0 ± 42.4
BLOCK 18	MEAN ± S.D.	21.4 ± 49.4	33.8 ± 65.2	20.6 ± 34.5	5.8 ± 18.8	21.5 ± 38.8
TOTAL	MEAN ± S.D.	639.0 ± 708.0	719.3 ± 778.2	485.0 ± 408.1	458.1 ± 410.1	559.6 ± 571.8

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 7): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 18 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	40.0 ± 28.6	37.4 ± 22.7	37.4 ± 22.0	32.7 ± 21.8	43.6 ± 21.6
BLOCK 2	MEAN ± S.D.	35.8 ± 25.5	33.8 ± 22.7	38.8 ± 21.5	35.4 ± 21.8	42.8 ± 22.9
BLOCK 3	MEAN ± S.D.	32.4 ± 27.2	31.4 ± 28.0	36.6 ± 23.8	34.6 ± 24.3	35.8 ± 25.6
BLOCK 4	MEAN ± S.D.	26.5 ± 28.2	32.4 ± 28.1	36.5 ± 25.3	27.2 ± 24.4	34.4 ± 25.8
BLOCK 5	MEAN ± S.D.	32.6 ± 36.7	24.7 ± 28.2	36.8 ± 29.5	31.7 ± 28.0	28.8 ± 28.7
BLOCK 6	MEAN ± S.D.	23.2 ± 27.9	27.2 ± 31.3	32.0 ± 29.6	31.0 ± 25.8	35.6 ± 32.2
BLOCK 7	MEAN ± S.D.	30.6 ± 29.8	24.9 ± 27.3	29.0 ± 28.3	29.4 ± 27.0	29.0 ± 31.4
BLOCK 8	MEAN ± S.D.	30.3 ± 31.6	21.0 ± 27.6	18.8 ± 22.0	27.6 ± 25.6	28.6 ± 34.9
BLOCK 9	MEAN ± S.D.	23.0 ± 26.8	25.4 ± 29.0	20.6 ± 28.0	25.1 ± 27.8	26.4 ± 30.8
BLOCK 10	MEAN ± S.D.	21.6 ± 24.8	19.8 ± 28.1	21.2 ± 31.0	23.8 ± 28.8	30.6 ± 31.7
BLOCK 11	MEAN ± S.D.	28.6 ± 29.4	17.3 ± 26.2	14.3 ± 21.4	11.0 ± 18.1	35.6 ± 34.5
BLOCK 12	MEAN ± S.D.	25.4 ± 30.5	14.5 ± 24.5	16.6 ± 28.7	13.8 ± 22.2	34.0 ± 33.6
BLOCK 13	MEAN ± S.D.	25.2 ± 32.1	14.8 ± 28.6	8.4 ± 16.7	13.4 ± 21.6	30.1 ± 33.3
BLOCK 14	MEAN ± S.D.	25.7 ± 31.7	13.2 ± 24.1	14.8 ± 25.4	15.4 ± 22.8	32.6 ± 35.4
BLOCK 15	MEAN ± S.D.	24.8 ± 31.7	13.8 ± 25.4	11.2 ± 20.8	17.4 ± 25.0	27.5 ± 31.4
BLOCK 16	MEAN ± S.D.	20.1 ± 32.1	12.6 ± 24.4	9.7 ± 19.1	14.2 ± 21.1	22.9 ± 30.8
BLOCK 17	MEAN ± S.D.	21.6 ± 32.3	8.8 ± 19.9	12.0 ± 18.9	17.2 ± 22.6	20.9 ± 27.8
BLOCK 18	MEAN ± S.D.	24.8 ± 31.5	9.2 ± 22.4	20.4 ± 29.1	19.0 ± 29.2	29.0 ± 33.9
TOTAL	MEAN ± S.D.	492.2 ± 436.1	382.4 ± 273.6	415.0 ± 280.4	419.8 ± 262.4	568.1 ± 438.8

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 8): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 18 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	61.1 ± 49.8	44.6 ± 34.3	47.2 ± 39.9	37.8 ± 37.1	51.6 ± 34.6
BLOCK 2	MEAN ± S.D.	50.2 ± 46.7	47.2 ± 49.1	50.4 ± 44.8	43.4 ± 39.4	51.4 ± 36.4
BLOCK 3	MEAN ± S.D.	46.1 ± 49.0	42.4 ± 52.0	49.4 ± 43.0	41.4 ± 40.5	45.4 ± 37.4
BLOCK 4	MEAN ± S.D.	35.8 ± 45.6	48.0 ± 49.5	44.8 ± 45.6	30.7 ± 36.4	48.8 ± 45.0
BLOCK 5	MEAN ± S.D.	48.2 ± 61.3	35.3 ± 47.2	51.2 ± 52.4	38.8 ± 42.9	40.6 ± 50.2
BLOCK 6	MEAN ± S.D.	36.4 ± 54.8	35.4 ± 49.4	40.6 ± 47.5	37.3 ± 38.9	46.4 ± 48.6
BLOCK 7	MEAN ± S.D.	47.8 ± 57.2	41.0 ± 54.3	46.8 ± 63.1	36.9 ± 41.6	45.9 ± 59.1
BLOCK 8	MEAN ± S.D.	47.8 ± 53.8	36.4 ± 53.7	25.4 ± 40.1	36.2 ± 44.6	43.7 ± 57.5
BLOCK 9	MEAN ± S.D.	37.8 ± 58.0	38.4 ± 48.9	31.7 ± 49.2	34.4 ± 44.6	39.0 ± 50.3
BLOCK 10	MEAN ± S.D.	36.8 ± 62.0	28.4 ± 43.5	31.1 ± 54.7	34.9 ± 51.8	45.4 ± 54.0
BLOCK 11	MEAN ± S.D.	47.6 ± 61.4	26.9 ± 49.4	24.2 ± 46.4	14.3 ± 28.2	54.6 ± 55.5
BLOCK 12	MEAN ± S.D.	42.6 ± 60.8	23.6 ± 46.6	25.4 ± 51.6	22.0 ± 41.8	55.5 ± 58.3
BLOCK 13	MEAN ± S.D.	44.4 ± 62.5	21.0 ± 46.2	8.2 ± 19.3	22.2 ± 43.1	43.4 ± 50.1
BLOCK 14	MEAN ± S.D.	38.6 ± 49.7	21.4 ± 46.7	21.8 ± 46.2	24.4 ± 41.9	51.2 ± 61.1
BLOCK 15	MEAN ± S.D.	38.6 ± 57.8	21.7 ± 45.5	15.3 ± 30.8	28.4 ± 47.6	42.8 ± 55.1
BLOCK 16	MEAN ± S.D.	33.6 ± 59.4	18.8 ± 41.1	12.6 ± 32.6	23.2 ± 43.8	30.8 ± 42.9
BLOCK 17	MEAN ± S.D.	34.6 ± 56.1	10.3 ± 26.3	14.0 ± 29.2	22.0 ± 32.2	32.8 ± 50.0
BLOCK 18	MEAN ± S.D.	42.9 ± 60.2	14.5 ± 43.9	27.8 ± 50.9	31.5 ± 54.1	47.3 ± 61.6
TOTAL	MEAN ± S.D.	771.0 ± 838.1	555.2 ± 519.6	567.6 ± 545.7	559.8 ± 488.2	816.6 ± 720.3

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 9): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 22 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	61.2 ± 16.1	64.0 ± 14.0	67.4 ± 15.0	61.8 ± 21.2	68.5 ± 15.3
BLOCK 2	MEAN ± S.D.	53.1 ± 21.6	47.8 ± 18.3	47.3 ± 21.2	45.0 ± 20.8	51.4 ± 15.4
BLOCK 3	MEAN ± S.D.	35.2 ± 23.8	41.0 ± 24.1	28.0 ± 21.9	35.4 ± 20.8	45.0 ± 24.8
BLOCK 4	MEAN ± S.D.	18.4 ± 22.7	29.0 ± 23.6	19.0 ± 21.9	21.4 ± 21.2	30.3 ± 27.0
BLOCK 5	MEAN ± S.D.	16.8 ± 24.0	35.0 ± 30.2	17.9 ± 24.2	19.2 ± 22.7	24.1 ± 21.4
BLOCK 6	MEAN ± S.D.	17.8 ± 25.2	28.4 ± 30.1	6.7 ± 14.4	8.8 ± 14.2	23.5 ± 25.0
BLOCK 7	MEAN ± S.D.	13.7 ± 20.6	17.6 ± 20.9	7.2 ± 16.0	12.6 ± 18.0	11.6 ± 17.2
BLOCK 8	MEAN ± S.D.	12.8 ± 19.8	10.0 ± 14.8	7.8 ± 21.0	8.9 ± 14.6	14.8 ± 20.6
BLOCK 9	MEAN ± S.D.	11.2 ± 21.4	11.2 ± 19.0	6.8 ± 15.4	5.2 ± 11.2	11.2 ± 19.2
BLOCK 10	MEAN ± S.D.	14.5 ± 21.9	8.8 ± 15.0	10.4 ± 14.4	10.2 ± 17.3	7.8 ± 11.2
BLOCK 11	MEAN ± S.D.	16.2 ± 18.0	13.8 ± 26.1	11.4 ± 18.1	12.0 ± 22.2	9.4 ± 18.1
BLOCK 12	MEAN ± S.D.	15.5 ± 21.7	13.6 ± 25.2	6.0 ± 10.3	7.0 ± 11.9	9.8 ± 20.9
BLOCK 13	MEAN ± S.D.	8.8 ± 12.0	15.2 ± 24.3	8.4 ± 17.0	11.2 ± 18.5	7.0 ± 11.1
BLOCK 14	MEAN ± S.D.	14.7 ± 18.0	20.8 ± 28.4	11.0 ± 19.9	15.4 ± 24.4	9.4 ± 16.0
BLOCK 15	MEAN ± S.D.	14.2 ± 19.4	22.9 ± 32.0	13.6 ± 16.2	17.4 ± 29.4	10.5 ± 21.1
BLOCK 16	MEAN ± S.D.	12.5 ± 23.1	22.5 ± 30.0	17.4 ± 22.8	18.8 ± 27.0	13.6 ± 23.6
BLOCK 17	MEAN ± S.D.	9.3 ± 18.2	22.4 ± 30.5	18.0 ± 24.1	18.4 ± 25.4	16.5 ± 22.1
BLOCK 18	MEAN ± S.D.	8.2 ± 17.4	20.0 ± 29.8	18.4 ± 21.9	11.2 ± 16.4	16.2 ± 22.7
TOTAL	MEAN ± S.D.	354.0 ± 215.6	443.9 ± 273.4	322.8 ± 153.6	340.2 ± 170.5	380.6 ± 131.9

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 10): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 22 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	89.2 ± 40.2	103.2 ± 45.0	107.4 ± 38.8	88.5 ± 42.9	110.2 ± 40.0
BLOCK 2	MEAN ± S.D.	61.2 ± 30.3	63.7 ± 34.7	60.2 ± 36.1	52.4 ± 30.7	64.2 ± 24.8
BLOCK 3	MEAN ± S.D.	41.8 ± 36.9	55.4 ± 49.1	28.4 ± 32.0	36.5 ± 32.9	56.4 ± 32.7
BLOCK 4	MEAN ± S.D.	20.6 ± 30.3	32.6 ± 39.1	18.8 ± 28.8	20.8 ± 24.9	37.4 ± 42.3
BLOCK 5	MEAN ± S.D.	17.0 ± 27.9	46.4 ± 50.7*	20.2 ± 34.4	22.6 ± 34.4	28.6 ± 34.2
BLOCK 6	MEAN ± S.D.	20.2 ± 32.7	35.6 ± 44.1	7.0 ± 20.8	6.8 ± 14.8	24.4 ± 32.7
BLOCK 7	MEAN ± S.D.	18.6 ± 35.2	19.8 ± 33.4	7.1 ± 19.7	14.1 ± 31.2	10.8 ± 22.4
BLOCK 8	MEAN ± S.D.	15.6 ± 35.1	11.4 ± 31.9	7.6 ± 25.4	7.0 ± 16.0	13.6 ± 22.4
BLOCK 9	MEAN ± S.D.	11.8 ± 26.4	14.4 ± 35.4	5.8 ± 16.0	5.0 ± 15.0	9.8 ± 21.4
BLOCK 10	MEAN ± S.D.	14.2 ± 26.6	12.0 ± 35.3	10.2 ± 17.0	10.1 ± 21.0	7.4 ± 16.5
BLOCK 11	MEAN ± S.D.	12.8 ± 16.1	20.0 ± 41.4	12.8 ± 22.5	13.8 ± 34.4	9.4 ± 24.6
BLOCK 12	MEAN ± S.D.	14.4 ± 23.1	18.8 ± 38.5	4.7 ± 11.0	5.8 ± 11.7	8.9 ± 23.9
BLOCK 13	MEAN ± S.D.	6.6 ± 11.1	21.0 ± 41.1	8.7 ± 20.7	13.6 ± 24.8	5.8 ± 11.2
BLOCK 14	MEAN ± S.D.	13.2 ± 21.4	25.2 ± 40.2	12.0 ± 24.8	18.2 ± 38.0	12.4 ± 31.0
BLOCK 15	MEAN ± S.D.	12.6 ± 21.8	31.7 ± 48.3	10.8 ± 15.7	18.4 ± 34.5	12.2 ± 28.8
BLOCK 16	MEAN ± S.D.	11.4 ± 23.0	31.2 ± 48.2	17.7 ± 31.0	21.7 ± 35.6	13.7 ± 27.4
BLOCK 17	MEAN ± S.D.	8.8 ± 23.7	36.4 ± 58.4	15.6 ± 22.9	17.0 ± 28.9	18.2 ± 30.0
BLOCK 18	MEAN ± S.D.	9.2 ± 22.3	26.8 ± 44.9	17.4 ± 25.3	12.0 ± 20.7	16.7 ± 29.6
TOTAL	MEAN ± S.D.	399.3 ± 296.0	605.6 ± 547.0	372.8 ± 206.3	384.2 ± 238.1	460.2 ± 183.9

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 11): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 22 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	50.1 ± 21.1	55.0 ± 22.1	56.8 ± 18.6	59.2 ± 15.1	54.6 ± 14.3
BLOCK 2	MEAN ± S.D.	37.4 ± 23.3	38.8 ± 22.8	44.6 ± 19.0	39.3 ± 21.6	41.7 ± 18.0
BLOCK 3	MEAN ± S.D.	29.4 ± 19.8	26.7 ± 22.8	32.6 ± 25.9	33.2 ± 23.7	33.4 ± 23.4
BLOCK 4	MEAN ± S.D.	26.4 ± 25.5	25.2 ± 26.8	28.2 ± 24.6	29.0 ± 21.8	22.0 ± 20.3
BLOCK 5	MEAN ± S.D.	20.6 ± 22.2	17.6 ± 19.8	21.5 ± 17.6	21.0 ± 19.0	21.8 ± 22.8
BLOCK 6	MEAN ± S.D.	13.4 ± 19.2	10.2 ± 16.8	23.4 ± 24.8	20.8 ± 23.1	20.8 ± 20.8
BLOCK 7	MEAN ± S.D.	10.3 ± 15.9	10.4 ± 19.2	24.8 ± 28.0	28.2 ± 27.1	26.4 ± 27.3
BLOCK 8	MEAN ± S.D.	11.5 ± 20.3	9.4 ± 19.0	15.4 ± 19.3	26.4 ± 24.8	18.0 ± 25.3
BLOCK 9	MEAN ± S.D.	10.4 ± 20.0	6.4 ± 11.0	20.3 ± 23.2	23.2 ± 28.5	9.1 ± 16.8
BLOCK 10	MEAN ± S.D.	8.2 ± 17.0	9.2 ± 15.8	19.4 ± 24.0	22.9 ± 26.8	5.0 ± 9.9
BLOCK 11	MEAN ± S.D.	8.7 ± 12.8	8.8 ± 17.0	20.4 ± 23.1	13.2 ± 22.8	7.6 ± 16.5
BLOCK 12	MEAN ± S.D.	17.9 ± 25.5	11.7 ± 19.9	12.9 ± 19.0	11.6 ± 22.0	7.6 ± 18.4
BLOCK 13	MEAN ± S.D.	15.2 ± 22.8	14.1 ± 20.6	15.6 ± 22.0	9.3 ± 15.9	7.5 ± 17.6
BLOCK 14	MEAN ± S.D.	10.2 ± 15.7	8.2 ± 14.4	16.3 ± 23.6	16.8 ± 25.1	5.1 ± 12.2
BLOCK 15	MEAN ± S.D.	8.5 ± 16.6	6.8 ± 11.4	12.3 ± 21.1	12.8 ± 21.0	4.2 ± 10.7
BLOCK 16	MEAN ± S.D.	16.6 ± 24.8	13.4 ± 21.9	10.8 ± 20.1	17.1 ± 25.2	2.8 ± 4.7
BLOCK 17	MEAN ± S.D.	17.8 ± 25.4	17.2 ± 23.7	12.1 ± 21.9	15.8 ± 23.4	9.6 ± 18.1
BLOCK 18	MEAN ± S.D.	14.6 ± 24.5	8.4 ± 14.8	15.6 ± 23.2	12.5 ± 19.3	8.9 ± 24.0
TOTAL	MEAN ± S.D.	327.3 ± 166.9	297.5 ± 202.1	403.0 ± 225.1	412.2 ± 220.3	306.0 ± 187.0

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 12): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 22 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	75.4 ± 46.6	83.1 ± 43.3	84.9 ± 48.8	90.2 ± 44.5	83.4 ± 32.0
BLOCK 2	MEAN ± S.D.	52.2 ± 37.5	52.6 ± 37.5	67.2 ± 49.4	58.8 ± 48.3	55.1 ± 31.8
BLOCK 3	MEAN ± S.D.	38.8 ± 31.7	36.4 ± 41.0	42.4 ± 47.0	44.4 ± 46.0	44.6 ± 44.3
BLOCK 4	MEAN ± S.D.	33.8 ± 38.6	30.4 ± 34.8	35.2 ± 38.9	37.1 ± 41.6	27.0 ± 31.2
BLOCK 5	MEAN ± S.D.	24.8 ± 30.3	17.2 ± 24.4	24.8 ± 29.5	28.8 ± 36.4	25.3 ± 30.4
BLOCK 6	MEAN ± S.D.	14.6 ± 23.2	12.2 ± 23.7	35.0 ± 46.2	25.6 ± 37.6	27.4 ± 34.9
BLOCK 7	MEAN ± S.D.	12.5 ± 25.7	14.8 ± 32.4	30.4 ± 43.0	37.4 ± 40.2	34.9 ± 42.0
BLOCK 8	MEAN ± S.D.	17.2 ± 34.8	13.6 ± 33.7	15.6 ± 22.4	27.1 ± 28.3	25.4 ± 41.8
BLOCK 9	MEAN ± S.D.	11.4 ± 27.0	6.2 ± 14.5	21.0 ± 27.4	25.6 ± 34.8	10.2 ± 24.8
BLOCK 10	MEAN ± S.D.	11.0 ± 22.7	9.6 ± 20.5	27.4 ± 40.4	30.3 ± 42.0	3.6 ± 8.6
BLOCK 11	MEAN ± S.D.	10.2 ± 18.3	9.8 ± 20.9	27.5 ± 43.4	17.4 ± 31.7	9.2 ± 26.8
BLOCK 12	MEAN ± S.D.	24.1 ± 39.8	12.3 ± 24.9	15.6 ± 31.8	15.6 ± 35.1	10.0 ± 28.1
BLOCK 13	MEAN ± S.D.	20.9 ± 35.5	14.6 ± 27.6	20.1 ± 32.5	10.0 ± 22.2	11.4 ± 34.7
BLOCK 14	MEAN ± S.D.	9.8 ± 17.7	7.9 ± 17.1	20.3 ± 36.7	22.6 ± 37.8	3.4 ± 10.8
BLOCK 15	MEAN ± S.D.	10.6 ± 23.3	5.8 ± 13.4	16.8 ± 36.4	17.2 ± 34.3	2.6 ± 10.0
BLOCK 16	MEAN ± S.D.	20.3 ± 32.3	13.8 ± 27.6	11.4 ± 29.4	19.8 ± 33.4	1.6 ± 2.4
BLOCK 17	MEAN ± S.D.	23.4 ± 36.4	19.0 ± 32.6	17.6 ± 35.0	20.4 ± 33.3	10.0 ± 22.6
BLOCK 18	MEAN ± S.D.	16.6 ± 31.6	7.8 ± 19.5	19.4 ± 35.9	15.5 ± 31.0	9.4 ± 29.5
TOTAL	MEAN ± S.D.	427.8 ± 249.8	367.2 ± 305.0	532.5 ± 435.5	543.9 ± 392.1	394.5 ± 289.0

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 13): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 59 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	62.7 ± 11.8	62.6 ± 8.3	62.2 ± 9.5	64.4 ± 7.3	62.2 ± 8.0
BLOCK 2	MEAN ± S.D.	72.3 ± 8.5	69.0 ± 9.5	64.4 ± 6.5	65.6 ± 8.8	67.0 ± 5.2
BLOCK 3	MEAN ± S.D.	68.1 ± 11.3	68.2 ± 7.6	65.6 ± 8.6	65.8 ± 7.7	65.4 ± 5.8
BLOCK 4	MEAN ± S.D.	65.2 ± 13.4	67.4 ± 8.9	62.6 ± 11.0	67.4 ± 9.8	66.8 ± 7.5
BLOCK 5	MEAN ± S.D.	63.4 ± 16.5	64.0 ± 11.2	64.8 ± 18.5	67.0 ± 12.4	67.8 ± 10.5
BLOCK 6	MEAN ± S.D.	59.0 ± 21.2	65.8 ± 17.1	61.6 ± 15.1	65.3 ± 12.2	66.7 ± 10.9
BLOCK 7	MEAN ± S.D.	61.3 ± 23.5	61.2 ± 18.3	55.3 ± 20.8	60.9 ± 17.0	65.2 ± 11.1
BLOCK 8	MEAN ± S.D.	56.3 ± 25.8	60.8 ± 16.8	52.8 ± 19.1	56.0 ± 14.5	60.6 ± 17.1
BLOCK 9	MEAN ± S.D.	56.4 ± 23.6	58.8 ± 24.7	48.7 ± 25.9	52.8 ± 25.6	55.3 ± 21.8
BLOCK 10	MEAN ± S.D.	51.0 ± 26.0	56.6 ± 23.3	39.0 ± 29.7	54.1 ± 25.8	53.0 ± 20.1
BLOCK 11	MEAN ± S.D.	48.4 ± 24.8	50.4 ± 30.9	33.0 ± 26.2	45.6 ± 28.2	55.4 ± 29.4
BLOCK 12	MEAN ± S.D.	45.6 ± 29.4	46.9 ± 22.2	33.6 ± 31.6	38.4 ± 29.4	49.2 ± 29.2
BLOCK 13	MEAN ± S.D.	47.4 ± 27.6	47.9 ± 30.4	30.2 ± 28.8	28.3 ± 24.3	40.0 ± 30.3
BLOCK 14	MEAN ± S.D.	41.5 ± 30.0	37.4 ± 28.4	26.9 ± 26.3	23.8 ± 28.3	43.8 ± 31.0
BLOCK 15	MEAN ± S.D.	37.8 ± 27.2	36.2 ± 32.1	30.8 ± 29.3	23.8 ± 31.2	37.4 ± 30.5
BLOCK 16	MEAN ± S.D.	29.4 ± 29.6	27.2 ± 27.9	27.4 ± 29.9	20.8 ± 28.4	36.8 ± 29.3
BLOCK 17	MEAN ± S.D.	27.4 ± 30.4	25.4 ± 31.4	22.4 ± 24.1	23.8 ± 31.2	35.8 ± 30.1
BLOCK 18	MEAN ± S.D.	19.6 ± 25.4	23.8 ± 29.9	24.3 ± 28.7	19.8 ± 29.1	36.6 ± 31.2
TOTAL	MEAN ± S.D.	912.8 ± 262.5	929.4 ± 221.0	805.5 ± 258.9	843.6 ± 194.6	965.2 ± 235.8

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 14): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 59 POSTPARTUM						
MALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	207.6 ± 31.4	214.5 ± 19.9	209.0 ± 36.2	210.8 ± 21.6	224.4 ± 25.9
BLOCK 2	MEAN ± S.D.	174.6 ± 29.8	190.4 ± 28.8	187.2 ± 32.3	181.4 ± 36.6	189.2 ± 30.2
BLOCK 3	MEAN ± S.D.	149.7 ± 40.7	171.4 ± 29.8	154.8 ± 36.3	158.2 ± 35.8	172.7 ± 25.3
BLOCK 4	MEAN ± S.D.	145.1 ± 46.0	152.4 ± 25.2	145.6 ± 39.5	134.2 ± 28.0	159.6 ± 28.4
BLOCK 5	MEAN ± S.D.	130.4 ± 51.0	129.2 ± 41.1	136.0 ± 51.7	124.1 ± 44.8	145.6 ± 32.1
BLOCK 6	MEAN ± S.D.	111.9 ± 50.2	139.6 ± 50.5	126.6 ± 45.9	121.4 ± 41.4	137.0 ± 38.1
BLOCK 7	MEAN ± S.D.	116.0 ± 47.2	122.0 ± 55.0	103.4 ± 53.2	120.8 ± 46.1	129.4 ± 52.9
BLOCK 8	MEAN ± S.D.	100.7 ± 55.9	102.4 ± 51.3	92.8 ± 44.4	95.0 ± 44.5	103.4 ± 44.4
BLOCK 9	MEAN ± S.D.	94.7 ± 55.2	93.0 ± 52.0	71.5 ± 49.1	83.3 ± 53.4	105.9 ± 66.6
BLOCK 10	MEAN ± S.D.	85.3 ± 62.6	88.8 ± 53.0	67.9 ± 62.1	85.2 ± 59.8	98.5 ± 59.2
BLOCK 11	MEAN ± S.D.	78.5 ± 55.0	88.2 ± 65.9	56.3 ± 61.2	66.0 ± 55.2	94.6 ± 57.4
BLOCK 12	MEAN ± S.D.	81.4 ± 63.1	76.6 ± 55.7	50.6 ± 59.9	57.6 ± 56.9	83.8 ± 61.6
BLOCK 13	MEAN ± S.D.	75.0 ± 56.5	78.6 ± 68.7	41.6 ± 48.3	31.1 ± 38.1	67.1 ± 64.2
BLOCK 14	MEAN ± S.D.	62.0 ± 56.3	55.6 ± 56.8	43.8 ± 55.4	28.4 ± 40.4	76.0 ± 67.0
BLOCK 15	MEAN ± S.D.	49.4 ± 46.2	61.6 ± 68.8	39.8 ± 46.3	39.0 ± 57.5	57.6 ± 57.7
BLOCK 16	MEAN ± S.D.	42.6 ± 51.5	34.8 ± 43.8	31.2 ± 42.1	35.3 ± 55.9	63.9 ± 65.1
BLOCK 17	MEAN ± S.D.	41.0 ± 55.9	36.7 ± 53.0	23.7 ± 35.7	36.6 ± 56.8	54.8 ± 55.5
BLOCK 18	MEAN ± S.D.	20.3 ± 34.4	30.4 ± 42.9	35.9 ± 48.4	25.6 ± 45.2	66.6 ± 70.9*
TOTAL	MEAN ± S.D.	1766.2 ± 531.1	1866.3 ± 514.4	1617.6 ± 527.9	1634.0 ± 527.7	2030.0 ± 621.4

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the carrier group value ($p \leq 0.05$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 15): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 59 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
NUMBER OF MOVEMENTS						
BLOCK 1	MEAN ± S.D.	62.6 ± 7.0	63.0 ± 10.8	60.3 ± 8.6	61.3 ± 8.9	63.2 ± 7.5
BLOCK 2	MEAN ± S.D.	64.8 ± 7.4	65.4 ± 11.3	60.2 ± 11.0	67.6 ± 10.6	65.2 ± 9.7
BLOCK 3	MEAN ± S.D.	66.0 ± 6.2	68.3 ± 11.1	65.0 ± 11.5	69.4 ± 8.5	65.2 ± 10.4
BLOCK 4	MEAN ± S.D.	63.8 ± 10.0	68.6 ± 12.2	63.5 ± 7.7	62.6 ± 7.4	63.6 ± 9.5
BLOCK 5	MEAN ± S.D.	59.0 ± 12.3	68.1 ± 14.4	64.0 ± 9.4	66.0 ± 13.8	67.0 ± 10.2
BLOCK 6	MEAN ± S.D.	58.6 ± 16.9	66.8 ± 13.7	59.8 ± 10.6	59.2 ± 17.6	57.6 ± 17.8
BLOCK 7	MEAN ± S.D.	54.6 ± 17.6	64.4 ± 16.4	57.3 ± 19.9	49.9 ± 20.8	54.8 ± 22.3
BLOCK 8	MEAN ± S.D.	49.2 ± 21.1	50.9 ± 23.8	45.9 ± 25.3	49.9 ± 25.3	44.0 ± 28.4
BLOCK 9	MEAN ± S.D.	47.9 ± 22.8	42.6 ± 32.3	35.4 ± 26.5	43.7 ± 24.7	41.0 ± 26.9
BLOCK 10	MEAN ± S.D.	45.6 ± 24.0	37.2 ± 35.0	39.6 ± 29.2	36.4 ± 30.8	43.2 ± 30.2
BLOCK 11	MEAN ± S.D.	42.8 ± 25.3	37.6 ± 33.1	39.9 ± 28.2	29.2 ± 29.6	37.8 ± 28.5
BLOCK 12	MEAN ± S.D.	36.6 ± 24.1	42.7 ± 29.0	42.4 ± 26.1	30.6 ± 31.0	37.5 ± 30.0
BLOCK 13	MEAN ± S.D.	33.6 ± 29.8	44.4 ± 29.0	39.4 ± 27.0	27.6 ± 26.9	37.1 ± 27.0
BLOCK 14	MEAN ± S.D.	24.5 ± 29.0	34.0 ± 28.7	27.3 ± 30.6	35.2 ± 31.6	45.2 ± 34.7
BLOCK 15	MEAN ± S.D.	27.0 ± 27.9	33.6 ± 27.8	23.0 ± 30.2	30.2 ± 27.0	36.1 ± 27.2
BLOCK 16	MEAN ± S.D.	25.2 ± 26.7	29.0 ± 27.3	13.0 ± 18.4	28.8 ± 27.9	34.6 ± 29.1
BLOCK 17	MEAN ± S.D.	25.9 ± 27.9	21.6 ± 26.1	15.7 ± 22.2	33.4 ± 31.5	28.4 ± 29.9
BLOCK 18	MEAN ± S.D.	25.6 ± 28.6	11.0 ± 19.6	12.8 ± 21.6	21.8 ± 28.4	24.2 ± 27.0
TOTAL	MEAN ± S.D.	813.2 ± 196.8	849.0 ± 183.6	764.6 ± 169.7	802.6 ± 155.5	845.6 ± 191.6

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F1 (PAGE 16): MOTOR ACTIVITY - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
DAY 59 POSTPARTUM						
FEMALE RATS	N	20	20	20	20	20
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1	MEAN ± S.D.	203.4 ± 26.2	213.4 ± 24.8	220.0 ± 23.2	212.3 ± 26.9	215.8 ± 17.5
BLOCK 2	MEAN ± S.D.	180.4 ± 36.0	186.8 ± 36.8	198.8 ± 38.7	192.0 ± 31.7	185.2 ± 36.6
BLOCK 3	MEAN ± S.D.	160.5 ± 37.5	165.4 ± 37.8	166.2 ± 42.6	164.6 ± 28.7	163.3 ± 36.2
BLOCK 4	MEAN ± S.D.	143.1 ± 44.5	149.8 ± 28.1	151.4 ± 44.2	145.0 ± 25.8	153.8 ± 27.8
BLOCK 5	MEAN ± S.D.	130.2 ± 38.6	142.2 ± 34.1	153.0 ± 36.9	128.6 ± 41.6	142.8 ± 31.4
BLOCK 6	MEAN ± S.D.	112.6 ± 49.6	135.0 ± 42.9	126.7 ± 46.7	116.2 ± 45.8	120.5 ± 56.5
BLOCK 7	MEAN ± S.D.	106.6 ± 57.2	130.6 ± 46.7	122.8 ± 65.8	93.2 ± 53.2	102.2 ± 63.0
BLOCK 8	MEAN ± S.D.	88.4 ± 58.3	98.1 ± 59.8	84.7 ± 61.4	90.8 ± 55.6	71.7 ± 52.7
BLOCK 9	MEAN ± S.D.	80.6 ± 54.3	68.8 ± 56.2	70.0 ± 67.4	73.7 ± 50.3	85.9 ± 76.2
BLOCK 10	MEAN ± S.D.	85.0 ± 60.0	72.8 ± 71.1	72.2 ± 63.0	59.4 ± 56.2	81.4 ± 63.7
BLOCK 11	MEAN ± S.D.	80.6 ± 63.5	60.9 ± 65.0	82.8 ± 72.9	49.4 ± 54.3	59.8 ± 56.9
BLOCK 12	MEAN ± S.D.	67.7 ± 61.5	66.2 ± 53.6	64.6 ± 54.0	51.2 ± 55.7	63.4 ± 60.3
BLOCK 13	MEAN ± S.D.	46.2 ± 48.8	71.4 ± 55.9	66.3 ± 56.3	39.5 ± 42.7	54.5 ± 46.9
BLOCK 14	MEAN ± S.D.	36.8 ± 51.2	58.5 ± 60.8	55.8 ± 72.9	52.8 ± 53.4	79.6 ± 69.1
BLOCK 15	MEAN ± S.D.	42.6 ± 50.7	65.3 ± 72.0	33.8 ± 48.8	42.8 ± 48.5	67.4 ± 63.8
BLOCK 16	MEAN ± S.D.	40.2 ± 57.0	38.5 ± 42.2	12.8 ± 20.6	53.0 ± 71.2	49.2 ± 47.3
BLOCK 17	MEAN ± S.D.	43.2 ± 57.6	31.3 ± 42.6	22.2 ± 40.5	50.8 ± 55.9	47.4 ± 62.7
BLOCK 18	MEAN ± S.D.	39.9 ± 49.3	15.4 ± 38.2	21.8 ± 44.8	34.3 ± 52.2	42.2 ± 57.7
TOTAL	MEAN ± S.D.	1688.1 ± 584.4.3	1770.4 ± 435.0	1726.0 ± 479.1	1649.6 ± 352.6	1785.8 ± 409.3

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F2 (PAGE 1): AUDITORY STARTLE HABITUATION - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RESPONSE MAGNITUDE						
DAY 23 POSTPARTUM:						
MALE RATS	N	20	20	20	20	20
BLOCK 1	MEAN ± S.D.	69.2 ± 19.1	79.0 ± 25.9	66.6 ± 24.0	61.8 ± 18.9	77.6 ± 34.4
BLOCK 2	MEAN ± S.D.	53.6 ± 21.5	60.3 ± 20.7	49.4 ± 19.6	51.1 ± 19.5	65.9 ± 26.4
BLOCK 3	MEAN ± S.D.	50.5 ± 21.9	55.7 ± 25.4	45.0 ± 22.3	46.5 ± 10.7	59.2 ± 27.0
BLOCK 4	MEAN ± S.D.	49.0 ± 20.3	57.4 ± 23.5	45.0 ± 19.1	43.3 ± 14.6	55.4 ± 21.0
BLOCK 5	MEAN ± S.D.	51.7 ± 24.0	53.1 ± 24.4	47.0 ± 19.0	46.8 ± 17.1	55.6 ± 27.5
AVERAGE	MEAN ± S.D.	54.8 ± 18.8	61.1 ± 21.9	50.6 ± 19.4	49.9 ± 12.9	62.7 ± 25.8
FEMALE RATS	N	20	20	20	20	20
BLOCK 1	MEAN ± S.D.	83.8 ± 27.2	77.5 ± 20.9	76.4 ± 26.0	75.5 ± 20.6	85.9 ± 19.9
BLOCK 2	MEAN ± S.D.	67.6 ± 25.5	64.8 ± 22.6	59.9 ± 22.6	59.6 ± 22.5	69.1 ± 18.3
BLOCK 3	MEAN ± S.D.	61.1 ± 25.4	65.8 ± 22.1	55.0 ± 25.0	54.9 ± 18.2	60.0 ± 12.9
BLOCK 4	MEAN ± S.D.	57.6 ± 18.8	64.4 ± 21.5	58.1 ± 25.7	56.8 ± 21.1	58.0 ± 14.8
BLOCK 5	MEAN ± S.D.	58.4 ± 22.9	63.4 ± 23.3	53.2 ± 23.6	52.5 ± 18.3	54.2 ± 19.4
AVERAGE	MEAN ± S.D.	65.7 ± 21.9	67.1 ± 18.2	60.5 ± 21.1	59.8 ± 17.4	65.4 ± 12.8

DATA WERE RECORDED IN GRAMS (G).
BLOCK = TEN CONSECUTIVE TRIALS
RESPONSE MAGNITUDE = PEAK RESPONSE - BASELINE RESPONSE
AVERAGE = AVERAGE RESPONSE MAGNITUDE FOR 5 BLOCKS (50 TRIALS)

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F2 (PAGE 2): AUDITORY STARTLE HABITUATION - SUMMARY - F1 GENERATION RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RESPONSE MAGNITUDE						
DAY 60 POSTPARTUM:						
MALE RATS	N	20	20	20	20	20
BLOCK 1	MEAN ± S.D.	190.8 ± 99.6	200.8 ± 91.5	185.9 ± 75.1	241.0 ± 148.2	217.5 ± 116.5
BLOCK 2	MEAN ± S.D.	144.2 ± 95.3	175.1 ± 119.6	150.3 ± 105.4	175.4 ± 120.8	149.1 ± 110.0
BLOCK 3	MEAN ± S.D.	109.7 ± 41.0	142.7 ± 82.6	130.9 ± 88.7	141.2 ± 88.5	127.8 ± 85.3
BLOCK 4	MEAN ± S.D.	81.2 ± 31.3	138.1 ± 75.2	96.3 ± 56.7	128.2 ± 89.1	110.8 ± 62.1
BLOCK 5	MEAN ± S.D.	91.3 ± 48.3	122.2 ± 82.3	112.8 ± 65.5	114.8 ± 85.0	105.5 ± 61.4
AVERAGE	MEAN ± S.D.	123.5 ± 54.6	155.8 ± 82.9	135.2 ± 65.6	160.1 ± 92.1	142.1 ± 79.6
FEMALE RATS	N	20	20	20	20	20
BLOCK 1	MEAN ± S.D.	131.0 ± 56.2	166.9 ± 85.8	135.7 ± 75.2	153.5 ± 71.4	134.2 ± 59.4
BLOCK 2	MEAN ± S.D.	81.3 ± 40.2	107.7 ± 55.6	96.9 ± 64.1	106.1 ± 50.2	85.7 ± 32.7
BLOCK 3	MEAN ± S.D.	67.6 ± 29.9	97.7 ± 57.5	88.6 ± 45.3	92.8 ± 39.1	85.9 ± 40.3
BLOCK 4	MEAN ± S.D.	70.8 ± 40.8	84.8 ± 40.4	85.9 ± 57.3	82.4 ± 43.1	93.1 ± 50.5
BLOCK 5	MEAN ± S.D.	71.6 ± 29.1	77.1 ± 44.9	89.1 ± 49.3	76.8 ± 33.1	78.9 ± 38.4
AVERAGE	MEAN ± S.D.	84.5 ± 33.6	106.8 ± 51.2	99.2 ± 48.8	102.3 ± 40.7	95.6 ± 36.2

DATA WERE RECORDED IN GRAMS (G).
BLOCK = TEN CONSECUTIVE TRIALS
RESPONSE MAGNITUDE = PEAK RESPONSE - BASELINE RESPONSE
AVERAGE = AVERAGE RESPONSE MAGNITUDE FOR 5 BLOCKS (50 TRIALS)

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F3 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	19b	19b	20	20
MORTALITY	N	0	0	0	0	0
APPEARED NORMAL	N	20	19	19	20	19
KIDNEYS:						
RIGHT, PELVIS, MODERATE DILATION	N	0	0	0	0	1

a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.
b. Excludes values for rats that did not have necropsy observations recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F4 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	19b	20	20	20
MORTALITY	N	0	0	0	0	0
APPEARED NORMAL	N	19	19	18	19	20
KIDNEYS:						
RIGHT, PELVIS, MODERATE DILATION	N	0	0	0	1	0
RIGHT, PELVIS, MARKED DILATION	N	0	0	1	0	0
RIGHT, PELVIS, SLIGHT DILATION	N	1	0	0	0	0

a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.
b. Excludes values for rats that did not have necropsies observations recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F5 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	412.0 ± 36.3	411.4 ± 37.5	403.0 ± 24.8	413.6 ± 28.0	420.8 ± 37.1
THYROID	MEAN±S.D.	0.034 ± 0.006	0.034 ± 0.006	0.035 ± 0.008 [19]a	0.036 ± 0.006	0.037 ± 0.006
THYROID (% TBW)b	MEAN±S.D.	8.164 ± 1.352	8.321 ± 1.552	8.820 ± 2.031 [19]a	8.792 ± 1.414	8.804 ± 1.563

ALL WEIGHTS WERE RECORDED IN GRAMS (G). REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were not recorded.
b. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F6 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	241.8 ± 18.2	255.4 ± 26.1	246.0 ± 23.0	245.4 ± 13.3	241.0 ± 25.9
THYROID	MEAN±S.D.	0.024 ± 0.003	0.023 ± 0.005	0.024 ± 0.005	0.022 ± 0.004 [19]a	0.023 ± 0.004
THYROID (% TBW)b	MEAN±S.D.	9.860 ± 1.232	8.974 ± 1.522	9.967 ± 2.111	8.943 ± 1.563 [19]a	9.412 ± 1.886

ALL WEIGHTS WERE RECORDED IN GRAMS (G). REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 1738; the thyroid was damaged during processing (weight affected).
b. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 1): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY								
RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	7	30	7	38	1	9	0	3	10
BLOCK 2	39	38	40	7	17	66	1	3	10
BLOCK 3	44	36	42	5	1	53	0	0	5
BLOCK 4	5	26	8	3	12	0	0	1	36
BLOCK 5	3	44	6	5	30	3	0	1	12
BLOCK 6	0	70	5	1	0	0	14	0	16
BLOCK 7	3	33	2	4	1	0	36	0	14
BLOCK 8	4	45	5	14	1	1	29	2	10
BLOCK 9	0	71	3	2	1	1	25	0	0
BLOCK 10	5	22	3	0	1	0	2	0	5
BLOCK 11	7	10	4	0	1	0	2	1	4
BLOCK 12	25	2	8	2	0	21	6	0	2
BLOCK 13	8	0	4	2	0	2	2	0	5
BLOCK 14	6	2	2	4	3	3	2	0	6
BLOCK 15	8	0	3	16	1	3	0	1	46
BLOCK 16	0	1	6	13	0	1	3	2	64
BLOCK 17	3	1	8	16	1	11	17	1	38
BLOCK 18	10	0	4	27	3	12	2	0	82
TOTAL	177	431	160	159	74	186	141	15	365

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 2): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY								
RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	3	19	2	26	0	3	0	3	6
BLOCK 2	30	18	31	3	5	60	0	0	2
BLOCK 3	32	21	32	1	0	49	0	0	1
BLOCK 4	3	14	5	1	2	0	0	0	15
BLOCK 5	1	36	2	1	14	0	0	0	6
BLOCK 6	0	64	1	0	0	0	4	0	5
BLOCK 7	1	27	0	1	0	0	19	0	6
BLOCK 8	1	37	1	10	0	0	17	0	2
BLOCK 9	0	69	0	0	0	0	12	0	0
BLOCK 10	1	11	0	0	0	0	0	0	2
BLOCK 11	1	4	0	0	0	0	0	0	0
BLOCK 12	14	0	4	0	0	19	2	0	0
BLOCK 13	2	0	0	0	0	0	0	0	0
BLOCK 14	1	0	1	0	0	1	0	0	1
BLOCK 15	2	0	1	11	0	1	0	0	22
BLOCK 16	0	0	2	5	0	0	0	0	47
BLOCK 17	1	0	1	5	0	3	8	0	29
BLOCK 18	2	0	0	10	0	7	1	0	63
TOTAL	95	320	83	74	21	143	63	3	207

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 3): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY										
RAT NUMBER	1467	1468	1470	1472	1477	1481	1485	1486	1490	1494	1496
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	42	51	10	3	67	83	33	37	36	13	18
BLOCK 2	7	67	28	9	26	52	70	64	12	15	23
BLOCK 3	0	24	6	13	1	65	47	37	19	2	39
BLOCK 4	7	34	26	34	3	41	1	31	16	1	36
BLOCK 5	8	35	36	34	10	14	19	0	15	0	40
BLOCK 6	9	16	29	1	8	24	77	38	10	0	38
BLOCK 7	11	3	12	0	3	38	71	56	14	1	23
BLOCK 8	6	3	30	0	2	68	59	65	4	0	40
BLOCK 9	10	2	4	4	0	54	77	8	2	0	55
BLOCK 10	3	0	1	0	0	9	3	19	5	0	21
BLOCK 11	9	4	2	1	3	1	3	57	3	1	6
BLOCK 12	17	1	1	1	3	2	8	70	0	4	32
BLOCK 13	19	2	4	4	4	5	5	62	5	7	7
BLOCK 14	32	2	1	2	1	1	12	34	4	0	3
BLOCK 15	1	7	4	0	0	2	4	11	1	1	1
BLOCK 16	7	0	1	1	3	5	3	2	2	1	2
BLOCK 17	8	4	2	3	11	0	6	2	3	2	2
BLOCK 18	4	50	2	20	27	3	13	4	1	1	5
TOTAL	200	305	199	130	172	467	511	597	152	49	391

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 4): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY										
RAT NUMBER	1467	1468	1470	1472	1477	1481	1485	1486	1490	1494	1496
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	37	53	12	1	58	79	17	23	27	7	9
BLOCK 2	5	82	15	1	38	77	108	47	3	5	16
BLOCK 3	0	20	2	4	0	96	58	17	5	0	19
BLOCK 4	2	21	18	19	0	64	0	14	5	0	17
BLOCK 5	2	17	30	21	3	5	36	0	4	0	35
BLOCK 6	2	7	17	0	1	8	76	31	2	0	41
BLOCK 7	5	2	8	0	2	43	116	41	4	0	16
BLOCK 8	2	1	27	0	0	105	76	65	1	0	43
BLOCK 9	5	0	1	1	0	80	84	0	0	0	65
BLOCK 10	4	0	0	0	0	4	1	8	2	0	15
BLOCK 11	3	0	1	0	0	0	1	54	0	0	0
BLOCK 12	8	0	0	0	0	0	4	113	0	0	16
BLOCK 13	14	0	1	0	1	0	1	89	0	1	2
BLOCK 14	23	0	0	0	0	0	3	35	0	0	0
BLOCK 15	0	2	2	0	0	0	0	4	0	0	0
BLOCK 16	1	0	0	0	1	2	0	0	0	0	0
BLOCK 17	1	0	0	0	3	0	2	1	0	0	0
BLOCK 18	0	29	0	4	19	0	4	0	0	0	1
TOTAL	114	234	134	51	126	563	587	542	53	13	295

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 5): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY								
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	65	6	15	9	1	45	37	7	19
BLOCK 2	13	43	26	1	15	22	20	1	29
BLOCK 3	10	80	51	0	8	42	58	3	15
BLOCK 4	6	64	8	0	1	41	69	1	7
BLOCK 5	10	47	9	1	0	4	11	8	16
BLOCK 6	18	5	11	0	3	70	8	45	49
BLOCK 7	3	5	1	4	58	74	2	31	40
BLOCK 8	12	1	2	22	59	64	10	37	4
BLOCK 9	4	6	1	2	40	5	19	0	8
BLOCK 10	6	5	0	26	47	2	45	1	1
BLOCK 11	11	5	0	0	1	2	72	3	7
BLOCK 12	0	1	2	4	0	4	44	4	4
BLOCK 13	9	7	0	2	30	1	8	0	2
BLOCK 14	2	3	0	1	51	0	3	2	1
BLOCK 15	11	2	0	0	88	1	4	0	6
BLOCK 16	2	0	1	4	64	0	1	0	6
BLOCK 17	12	3	0	0	74	0	8	0	5
BLOCK 18	9	1	0	3	89	1	0	5	3
TOTAL	203	284	127	79	629	378	419	148	222

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 6): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY								
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	55	2	4	2	0	36	27	3	8
BLOCK 2	5	28	13	0	6	8	10	0	15
BLOCK 3	1	73	24	0	1	36	35	0	6
BLOCK 4	4	49	2	0	0	32	58	0	2
BLOCK 5	2	43	0	0	0	0	12	7	5
BLOCK 6	10	1	3	0	0	32	3	48	32
BLOCK 7	0	0	0	0	32	48	0	24	31
BLOCK 8	5	0	0	10	45	38	5	29	0
BLOCK 9	0	1	0	0	27	3	13	0	2
BLOCK 10	1	2	0	9	37	0	26	0	0
BLOCK 11	4	1	0	0	0	0	71	0	1
BLOCK 12	0	1	0	1	0	1	45	1	0
BLOCK 13	2	0	0	0	18	1	1	0	0
BLOCK 14	0	1	0	0	45	0	0	1	0
BLOCK 15	7	0	0	0	103	0	1	0	0
BLOCK 16	1	0	0	0	66	0	0	0	1
BLOCK 17	3	1	0	0	83	0	1	0	1
BLOCK 18	2	0	0	0	111	0	0	2	0
TOTAL	102	203	46	22	574	235	308	115	104

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 7): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY										
RAT NUMBER	1455	1456	1460	1463	1469	1471	1475	1479	1482	1495	1500
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	63	16	86	60	51	26	52	3	15	16	43
BLOCK 2	57	2	80	48	12	33	66	10	4	19	41
BLOCK 3	57	17	77	67	0	16	48	13	0	24	5
BLOCK 4	80	4	65	52	0	0	85	0	2	32	55
BLOCK 5	63	3	2	58	1	7	68	0	2	27	23
BLOCK 6	0	4	6	58	0	0	57	0	0	1	0
BLOCK 7	1	3	0	21	0	0	77	2	7	1	6
BLOCK 8	63	14	3	3	3	0	26	1	12	1	21
BLOCK 9	10	7	0	56	37	2	0	3	4	0	46
BLOCK 10	0	1	0	7	82	1	3	5	36	1	3
BLOCK 11	1	3	1	61	22	3	16	22	19	0	18
BLOCK 12	11	6	1	45	33	12	30	18	5	2	46
BLOCK 13	6	8	7	35	25	2	1	10	0	5	0
BLOCK 14	34	32	4	35	12	2	2	3	7	26	1
BLOCK 15	10	50	10	10	5	7	1	5	0	5	23
BLOCK 16	2	28	4	28	12	16	1	2	0	3	48
BLOCK 17	2	6	3	54	2	58	0	3	0	70	32
BLOCK 18	11	24	4	15	2	73	1	0	3	48	15
TOTAL	471	228	353	713	299	258	534	100	116	281	426

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 8): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY										
RAT NUMBER	1455	1456	1460	1463	1469	1471	1475	1479	1482	1495	1500
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	107	10	121	42	43	21	27	1	6	5	32
BLOCK 2	93	0	129	60	6	22	43	2	2	6	36
BLOCK 3	102	11	128	80	0	9	29	4	0	12	1
BLOCK 4	143	0	99	57	0	0	70	0	0	18	67
BLOCK 5	93	0	0	82	0	1	76	0	1	13	33
BLOCK 6	0	1	3	80	0	0	45	0	0	0	0
BLOCK 7	0	0	0	12	0	0	80	0	1	0	0
BLOCK 8	90	6	1	0	0	0	26	1	4	0	14
BLOCK 9	7	3	0	69	23	1	0	0	1	0	47
BLOCK 10	0	0	0	5	94	0	0	2	25	0	1
BLOCK 11	0	0	0	66	8	0	15	10	12	0	8
BLOCK 12	4	1	0	48	18	2	30	4	0	0	57
BLOCK 13	4	5	0	42	12	1	0	1	0	0	0
BLOCK 14	29	21	2	53	6	0	1	0	1	13	0
BLOCK 15	3	32	6	7	1	3	0	1	0	2	20
BLOCK 16	0	18	3	54	2	12	0	0	0	0	54
BLOCK 17	0	2	0	52	0	54	0	0	0	51	34
BLOCK 18	4	22	0	6	0	101	0	0	0	36	8
TOTAL	679	132	492	815	213	227	442	26	53	156	412

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 9): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435
DAY 14 POSTPARTUM:										
NUMBER OF MOVEMENTS										
BLOCK 1	0	7	21	6	1	36	12	9	0	53
BLOCK 2	0	4	27	10	2	0	2	69	0	40
BLOCK 3	0	19	0	62	9	5	2	20	0	16
BLOCK 4	1	1	27	22	19	27	10	0	5	68
BLOCK 5	0	4	44	21	2	50	2	7	5	34
BLOCK 6	2	0	52	11	0	50	0	4	40	26
BLOCK 7	0	1	4	5	0	3	1	7	40	0
BLOCK 8	0	0	10	5	16	8	0	23	0	4
BLOCK 9	1	0	5	1	4	3	4	6	2	16
BLOCK 10	0	1	3	2	0	8	7	1	2	7
BLOCK 11	0	0	13	0	0	5	0	12	0	5
BLOCK 12	0	1	6	5	0	5	0	1	1	0
BLOCK 13	0	2	2	8	0	1	4	5	6	3
BLOCK 14	0	0	5	0	0	13	15	2	6	5
BLOCK 15	0	2	8	1	0	2	34	20	7	0
BLOCK 16	1	1	0	24	0	2	77	51	5	0
BLOCK 17	0	11	8	27	0	4	71	83	0	3
BLOCK 18	0	14	4	24	0	2	5	80	2	2
TOTAL	5	68	239	234	53	224	246	400	121	282

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 10): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435
DAY 14 POSTPARTUM:										
TIME (SECONDS) SPENT IN MOVEMENT										
BLOCK 1	0	3	12	1	0	21	4	3	0	30
BLOCK 2	0	1	15	3	0	0	1	78	0	18
BLOCK 3	0	11	0	53	7	1	1	23	0	5
BLOCK 4	0	0	26	19	7	17	4	0	2	58
BLOCK 5	0	1	40	18	1	41	0	1	0	20
BLOCK 6	0	0	49	5	0	37	0	2	27	15
BLOCK 7	0	0	3	1	0	0	0	1	26	0
BLOCK 8	0	0	3	0	12	1	0	10	0	0
BLOCK 9	0	0	1	0	0	0	0	2	0	5
BLOCK 10	0	0	0	0	0	5	2	0	0	3
BLOCK 11	0	0	5	0	0	4	0	4	0	4
BLOCK 12	0	0	1	2	0	2	0	0	0	0
BLOCK 13	0	1	0	0	0	0	0	1	1	0
BLOCK 14	0	0	3	0	0	4	6	0	0	0
BLOCK 15	0	0	3	0	0	0	20	12	0	0
BLOCK 16	0	0	0	12	0	0	67	48	2	0
BLOCK 17	0	3	2	17	0	0	66	116	0	1
BLOCK 18	0	4	0	16	0	1	0	138	0	0
TOTAL	0	24	163	147	27	134	171	439	58	159

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 11): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1442	1444	1449	1454	1458	1461	1480	1491	1492	1499
DAY 14 POSTPARTUM:										
NUMBER OF MOVEMENTS										
BLOCK 1	15	55	52	18	26	58	20	12	19	42
BLOCK 2	4	63	11	20	41	81	27	36	15	52
BLOCK 3	0	58	4	43	58	68	77	55	0	74
BLOCK 4	0	73	33	47	0	60	53	57	12	69
BLOCK 5	5	79	0	3	11	36	47	49	12	62
BLOCK 6	4	5	0	0	0	64	8	92	3	45
BLOCK 7	2	2	6	0	2	53	2	74	19	52
BLOCK 8	1	14	2	1	1	1	1	74	16	42
BLOCK 9	0	0	1	1	0	0	0	85	1	11
BLOCK 10	0	1	0	3	5	2	2	91	2	2
BLOCK 11	0	0	2	75	12	0	4	46	6	21
BLOCK 12	0	3	5	59	4	0	1	0	15	38
BLOCK 13	8	5	1	71	0	0	4	10	21	79
BLOCK 14	33	9	4	43	3	0	3	66	14	50
BLOCK 15	13	2	6	5	3	0	2	98	0	72
BLOCK 16	1	1	0	4	5	0	0	40	4	56
BLOCK 17	3	25	1	1	2	0	7	65	4	69
BLOCK 18	7	46	3	4	2	1	9	94	1	65
TOTAL	96	441	131	398	175	424	267	1044	164	901

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 12): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1442	1444	1449	1454	1458	1461	1480	1491	1492	1499
DAY 14 POSTPARTUM:										
TIME (SECONDS) SPENT IN MOVEMENT										
BLOCK 1	8	55	37	13	11	42	9	3	12	35
BLOCK 2	3	78	7	8	23	73	12	22	4	46
BLOCK 3	0	69	2	36	27	65	52	34	0	77
BLOCK 4	0	97	19	34	0	67	41	43	6	104
BLOCK 5	1	90	0	0	6	17	32	45	3	71
BLOCK 6	1	1	0	0	0	54	5	96	0	68
BLOCK 7	0	1	1	0	0	32	0	65	11	61
BLOCK 8	0	10	0	0	0	0	0	68	7	26
BLOCK 9	0	0	0	0	0	0	0	91	0	3
BLOCK 10	0	0	0	0	0	0	0	82	0	1
BLOCK 11	0	0	0	75	5	0	0	40	2	6
BLOCK 12	0	1	3	65	0	0	0	0	5	23
BLOCK 13	3	1	0	73	0	0	0	4	13	97
BLOCK 14	19	2	1	29	0	0	2	48	7	54
BLOCK 15	5	0	1	1	0	0	0	94	0	92
BLOCK 16	0	1	0	0	1	0	0	39	1	43
BLOCK 17	1	12	0	0	0	0	2	59	2	78
BLOCK 18	1	32	0	0	0	0	2	100	0	80
TOTAL	42	450	71	334	73	350	157	933	73	965

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 13): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY								
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	0	49	66	87	44	24	31	17	2
BLOCK 2	4	49	76	87	10	3	34	40	11
BLOCK 3	3	4	74	77	16	1	0	19	4
BLOCK 4	1	2	79	89	21	16	0	43	2
BLOCK 5	45	1	73	90	0	31	1	38	8
BLOCK 6	72	3	43	76	0	35	3	13	5
BLOCK 7	53	2	5	90	0	6	2	2	1
BLOCK 8	73	2	8	97	1	0	0	0	6
BLOCK 9	30	3	2	51	23	8	6	1	29
BLOCK 10	46	4	1	85	20	2	0	6	30
BLOCK 11	1	1	3	50	6	3	0	8	47
BLOCK 12	3	16	7	69	9	4	5	4	38
BLOCK 13	1	7	17	96	10	0	21	6	32
BLOCK 14	17	1	17	79	27	5	8	23	44
BLOCK 15	7	10	2	34	10	1	0	26	23
BLOCK 16	2	2	2	1	13	5	6	66	4
BLOCK 17	3	0	2	27	1	1	22	34	4
BLOCK 18	2	3	7	55	11	0	6	14	1
TOTAL	363	159	484	1240	222	145	145	360	291

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 14): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY								
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	0	30	53	115	26	14	30	10	1
BLOCK 2	1	26	87	109	2	0	31	30	3
BLOCK 3	0	0	125	101	8	0	0	11	1
BLOCK 4	0	0	130	151	9	5	0	40	0
BLOCK 5	21	0	73	114	0	16	0	27	1
BLOCK 6	52	0	57	139	0	17	2	12	1
BLOCK 7	35	1	3	124	0	5	0	0	0
BLOCK 8	65	0	2	167	0	0	0	0	0
BLOCK 9	15	1	0	46	14	2	2	1	13
BLOCK 10	39	0	0	136	6	0	0	1	16
BLOCK 11	0	0	1	87	3	1	0	3	28
BLOCK 12	0	7	2	112	5	0	1	0	21
BLOCK 13	0	1	14	143	5	0	18	1	21
BLOCK 14	5	0	11	123	16	0	4	9	22
BLOCK 15	4	2	0	20	3	0	0	23	10
BLOCK 16	0	0	1	0	3	0	3	80	1
BLOCK 17	1	0	0	34	0	0	10	30	1
BLOCK 18	0	0	1	68	3	0	5	8	0
TOTAL	238	68	560	1789	103	60	106	286	140

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 15): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY										
RAT NUMBER	1439	1445	1451	1459	1464	1465	1474	1476	1483	1487	1497
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	24	24	40	32	21	6	42	2	11	51	49
BLOCK 2	84	1	22	56	0	2	25	0	10	41	20
BLOCK 3	39	0	36	78	5	0	47	8	65	25	1
BLOCK 4	6	1	44	56	11	3	16	19	63	77	14
BLOCK 5	19	0	48	19	54	10	0	21	57	62	12
BLOCK 6	45	1	13	59	12	2	25	7	73	63	31
BLOCK 7	33	1	23	12	2	1	76	17	62	48	12
BLOCK 8	17	1	63	37	1	1	83	27	46	2	3
BLOCK 9	3	2	47	62	1	1	16	0	36	41	2
BLOCK 10	5	1	57	55	14	1	1	1	53	57	1
BLOCK 11	4	0	42	74	12	2	3	0	25	62	3
BLOCK 12	4	0	45	57	2	2	4	1	64	54	1
BLOCK 13	4	0	11	0	3	0	5	1	25	73	2
BLOCK 14	2	0	21	6	1	0	4	0	16	71	5
BLOCK 15	9	0	1	0	5	0	0	2	4	4	4
BLOCK 16	1	0	2	1	0	0	1	1	3	32	11
BLOCK 17	9	0	1	0	5	0	21	11	0	13	8
BLOCK 18	7	10	10	1	2	1	49	2	3	40	4
TOTAL	315	42	526	605	151	32	418	120	616	816	183

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 16): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY										
RAT NUMBER	1439	1445	1451	1459	1464	1465	1474	1476	1483	1487	1497
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	13	13	23	26	15	3	27	0	2	43	30
BLOCK 2	103	0	12	69	0	1	13	0	4	38	11
BLOCK 3	53	0	36	61	1	0	24	4	43	29	0
BLOCK 4	1	0	44	69	4	0	4	9	58	113	6
BLOCK 5	9	0	47	15	32	3	0	10	49	94	4
BLOCK 6	29	0	16	61	9	0	6	2	46	104	13
BLOCK 7	12	0	21	5	0	0	45	5	59	53	9
BLOCK 8	7	0	57	30	0	0	57	12	35	0	2
BLOCK 9	2	0	49	57	0	0	7	0	28	50	0
BLOCK 10	1	0	50	66	2	0	0	0	61	90	0
BLOCK 11	1	0	41	81	3	0	0	0	28	115	0
BLOCK 12	1	0	34	75	0	0	0	0	72	79	0
BLOCK 13	1	0	4	0	2	0	1	0	26	117	0
BLOCK 14	1	0	11	4	0	0	0	0	12	96	0
BLOCK 15	1	0	0	0	0	0	0	0	0	1	0
BLOCK 16	0	0	0	0	0	0	0	0	0	19	0
BLOCK 17	3	0	0	0	2	0	9	5	0	8	2
BLOCK 18	2	2	14	1	1	0	33	0	1	55	1
TOTAL	240	15	459	620	71	7	226	47	524	1104	78

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 17): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY								
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	1	14	18	38	26	21	20	16	0
BLOCK 2	17	50	69	94	48	33	0	9	0
BLOCK 3	6	73	54	75	64	37	0	6	2
BLOCK 4	6	49	57	83	71	44	4	0	9
BLOCK 5	0	4	0	81	82	4	2	2	4
BLOCK 6	0	4	8	76	70	7	1	3	9
BLOCK 7	0	2	0	60	81	14	0	0	32
BLOCK 8	0	8	1	69	54	11	1	2	11
BLOCK 9	0	20	3	45	1	6	1	1	3
BLOCK 10	7	2	0	48	8	3	2	0	0
BLOCK 11	0	3	5	83	45	2	1	7	9
BLOCK 12	4	6	14	66	17	3	2	19	25
BLOCK 13	2	1	10	3	2	15	2	74	16
BLOCK 14	0	4	60	27	0	8	6	51	0
BLOCK 15	2	25	61	62	0	10	39	6	32
BLOCK 16	3	6	2	87	0	9	58	1	22
BLOCK 17	0	5	3	47	1	4	79	3	32
BLOCK 18	0	1	0	78	5	6	101	5	5
TOTAL	48	277	365	1122	575	237	319	205	211

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 18): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY								
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	0	11	10	19	12	8	14	7	0
BLOCK 2	5	41	75	116	36	13	0	4	0
BLOCK 3	1	53	39	128	56	30	0	1	0
BLOCK 4	4	45	45	146	74	22	1	0	2
BLOCK 5	0	1	0	105	82	3	0	0	3
BLOCK 6	0	1	0	89	54	2	0	0	4
BLOCK 7	0	0	0	65	78	3	0	0	22
BLOCK 8	0	2	0	85	57	2	0	0	6
BLOCK 9	0	18	1	59	0	1	0	0	0
BLOCK 10	3	0	0	66	5	1	0	0	0
BLOCK 11	0	0	1	114	34	0	0	1	3
BLOCK 12	0	3	6	83	12	1	0	11	23
BLOCK 13	0	0	5	1	1	7	0	57	16
BLOCK 14	0	1	64	13	0	0	8	43	0
BLOCK 15	0	14	67	62	0	3	22	1	29
BLOCK 16	0	1	0	123	0	1	32	0	15
BLOCK 17	0	2	0	31	0	0	54	0	12
BLOCK 18	0	0	0	105	3	2	118	2	0
TOTAL	13	193	313	1410	504	99	249	127	135

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 19): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY										
RAT NUMBER	1443	1448	1452	1466	1473	1478	1484	1488	1489	1493	1498
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	44	14	14	59	1	59	4	0	26	8	81
BLOCK 2	52	8	3	51	1	27	82	14	44	3	80
BLOCK 3	37	1	3	17	3	24	50	4	12	70	69
BLOCK 4	24	0	4	13	1	18	72	0	4	60	1
BLOCK 5	0	0	2	1	1	0	46	1	10	0	3
BLOCK 6	6	0	5	11	0	3	59	8	8	0	22
BLOCK 7	63	0	3	10	2	51	12	29	18	1	76
BLOCK 8	30	2	6	17	9	78	22	63	1	0	87
BLOCK 9	18	0	0	29	2	54	28	59	13	0	87
BLOCK 10	29	0	4	5	0	1	54	76	7	0	72
BLOCK 11	3	0	13	5	1	7	62	93	3	1	16
BLOCK 12	0	0	45	8	2	82	70	86	0	2	2
BLOCK 13	0	3	64	12	2	4	75	82	0	0	13
BLOCK 14	0	2	77	4	1	3	76	63	4	0	86
BLOCK 15	0	2	82	1	3	2	42	2	0	1	95
BLOCK 16	0	7	56	13	12	71	70	12	4	1	94
BLOCK 17	0	7	27	12	3	47	20	69	16	12	84
BLOCK 18	2	3	4	65	1	60	4	70	55	31	14
TOTAL	308	49	412	333	45	591	848	731	225	190	982

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 20): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY										
RAT NUMBER	1443	1448	1452	1466	1473	1478	1484	1488	1489	1493	1498
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	36	7	6	36	0	43	0	0	24	4	72
BLOCK 2	29	2	0	24	0	13	81	6	21	1	93
BLOCK 3	20	0	0	8	0	8	50	1	6	58	69
BLOCK 4	12	0	0	1	0	9	53	0	1	32	0
BLOCK 5	0	0	0	0	0	0	44	0	5	0	0
BLOCK 6	2	0	2	2	0	1	52	2	4	0	10
BLOCK 7	43	0	0	3	0	44	3	18	8	0	82
BLOCK 8	19	1	2	8	2	74	13	66	0	0	117
BLOCK 9	8	0	0	13	0	39	17	53	9	0	103
BLOCK 10	18	0	1	1	0	1	38	86	3	0	99
BLOCK 11	2	0	5	0	0	5	79	105	0	0	18
BLOCK 12	0	0	27	1	0	77	118	91	0	1	0
BLOCK 13	0	0	41	2	1	3	74	117	0	0	8
BLOCK 14	0	0	65	3	0	1	116	68	0	0	117
BLOCK 15	0	1	70	0	1	1	54	0	0	0	136
BLOCK 16	0	1	45	5	6	71	72	5	1	0	143
BLOCK 17	0	1	14	9	0	39	7	74	8	5	91
BLOCK 18	0	1	4	59	0	51	1	102	49	13	7
TOTAL	189	14	282	175	10	480	872	794	139	114	1165

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 21): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462	1467	1468	1470
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	37	4	31	56	42	21	47	22	92	86	81	17
BLOCK 2	27	0	34	66	22	0	46	36	82	70	69	13
BLOCK 3	38	26	24	57	8	11	20	20	72	54	80	52
BLOCK 4	42	11	12	68	0	18	28	48	88	48	73	42
BLOCK 5	48	2	36	33	0	46	71	19	94	75	74	0
BLOCK 6	31	58	65	62	0	2	54	0	86	83	72	0
BLOCK 7	25	41	42	72	0	0	41	1	86	56	73	0
BLOCK 8	19	4	39	64	0	0	3	0	80	55	87	1
BLOCK 9	4	3	10	71	6	2	9	0	85	71	72	1
BLOCK 10	24	1	2	43	37	1	58	0	95	0	3	2
BLOCK 11	9	0	4	76	13	0	77	0	84	2	0	0
BLOCK 12	0	1	2	67	35	1	58	0	86	0	0	2
BLOCK 13	6	0	1	39	7	2	56	0	78	0	6	2
BLOCK 14	5	0	3	67	0	0	43	1	95	3	3	0
BLOCK 15	3	0	1	74	0	0	1	0	73	0	4	0
BLOCK 16	2	0	4	41	0	0	5	0	56	1	1	0
BLOCK 17	4	3	10	64	2	0	4	0	99	24	1	4
BLOCK 18	5	3	0	9	0	0	1	0	87	14	3	12
TOTAL	329	157	320	1029	172	104	622	147	1518	642	702	148

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 22): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462	1467	1468	1470
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	63	1	20	45	24	10	29	8	104	144	118	34
BLOCK 2	82	0	23	101	22	0	31	25	133	100	107	15
BLOCK 3	59	21	13	78	3	4	19	13	99	116	90	104
BLOCK 4	81	9	5	87	0	8	14	37	158	57	85	61
BLOCK 5	55	1	23	57	0	48	63	8	152	78	91	0
BLOCK 6	25	64	65	104	0	0	81	0	191	87	93	0
BLOCK 7	14	38	51	92	0	0	79	0	170	136	150	0
BLOCK 8	11	5	66	121	0	0	1	0	153	82	147	0
BLOCK 9	0	0	6	110	0	0	1	0	126	110	75	0
BLOCK 10	46	0	0	46	41	0	69	0	159	0	1	0
BLOCK 11	7	0	1	118	2	0	87	0	179	0	0	0
BLOCK 12	0	0	0	112	38	0	83	0	173	0	0	0
BLOCK 13	4	0	0	80	0	0	110	0	131	0	3	1
BLOCK 14	2	0	1	127	0	0	70	0	190	1	1	0
BLOCK 15	1	0	0	122	0	0	0	0	99	0	2	0
BLOCK 16	0	0	1	56	0	0	1	0	98	0	0	0
BLOCK 17	3	0	2	102	0	0	0	0	184	13	0	3
BLOCK 18	2	0	0	6	0	0	0	0	163	12	0	7
TOTAL	455	139	277	1564	130	70	738	91	2662	936	963	225

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 23): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1472	1477	1481	1485	1486	1490	1494	1496
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	68	60	75	78	46	21	1	7
BLOCK 2	10	44	68	22	58	1	18	0
BLOCK 3	29	66	70	43	14	21	10	0
BLOCK 4	0	17	77	70	1	0	0	0
BLOCK 5	29	26	57	71	0	0	0	7
BLOCK 6	2	14	87	71	6	9	4	0
BLOCK 7	0	1	73	43	27	40	0	26
BLOCK 8	2	6	72	67	63	76	0	2
BLOCK 9	0	3	59	16	55	86	0	0
BLOCK 10	0	0	60	5	50	75	4	1
BLOCK 11	0	3	61	10	2	68	11	0
BLOCK 12	4	26	70	0	0	9	55	6
BLOCK 13	0	63	67	4	3	0	36	55
BLOCK 14	5	14	58	2	4	1	51	52
BLOCK 15	1	4	71	0	0	0	20	41
BLOCK 16	0	1	72	13	5	0	0	46
BLOCK 17	2	0	52	4	0	0	0	62
BLOCK 18	1	4	70	3	2	0	0	64
TOTAL	153	352	1219	522	336	407	210	369

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 24): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1472	1477	1481	1485	1486	1490	1494	1496
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	74	67	101	99	43	12	0	2
BLOCK 2	3	37	113	21	52	0	8	0
BLOCK 3	17	70	91	75	7	12	6	0
BLOCK 4	0	9	125	109	1	0	0	0
BLOCK 5	16	10	114	87	0	0	0	0
BLOCK 6	0	7	144	65	4	4	1	0
BLOCK 7	0	1	142	57	22	26	0	16
BLOCK 8	1	2	93	92	54	98	0	0
BLOCK 9	0	2	120	29	96	111	0	0
BLOCK 10	0	0	95	2	38	89	1	0
BLOCK 11	0	1	97	7	1	67	5	0
BLOCK 12	1	10	121	0	0	3	46	0
BLOCK 13	0	50	106	1	0	0	35	75
BLOCK 14	1	8	124	0	2	0	89	80
BLOCK 15	0	2	147	0	0	0	15	53
BLOCK 16	0	0	153	4	0	0	0	71
BLOCK 17	0	0	66	1	0	0	0	58
BLOCK 18	1	3	144	1	0	0	0	89
TOTAL	114	279	2096	650	320	422	206	444

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 25): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453	1455	1456	1460
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	75	76	30	13	41	61	74	54	54	81	53	50
BLOCK 2	78	44	69	0	79	42	38	75	49	66	24	55
BLOCK 3	29	41	61	0	70	2	59	58	47	75	20	72
BLOCK 4	0	46	63	0	86	1	63	65	18	69	11	66
BLOCK 5	7	1	22	0	28	0	5	66	45	91	7	0
BLOCK 6	7	8	66	0	96	2	3	50	0	86	4	0
BLOCK 7	3	2	13	4	80	1	1	54	0	85	1	1
BLOCK 8	0	1	65	4	85	28	2	59	0	68	0	3
BLOCK 9	3	0	61	0	93	12	4	55	9	96	3	0
BLOCK 10	1	4	50	5	79	64	4	56	36	83	4	1
BLOCK 11	5	1	16	9	75	38	0	48	62	92	0	0
BLOCK 12	0	2	0	5	90	68	1	48	32	96	0	5
BLOCK 13	0	0	1	0	79	53	4	74	43	92	5	3
BLOCK 14	1	6	0	2	88	0	7	63	9	87	1	0
BLOCK 15	0	1	1	0	71	0	2	58	9	57	10	2
BLOCK 16	4	0	0	0	63	0	1	57	1	90	0	11
BLOCK 17	6	5	2	0	84	1	1	59	8	84	4	0
BLOCK 18	0	0	0	1	87	1	6	75	1	84	5	0
TOTAL	219	238	520	43	1374	374	275	1074	423	1482	152	269

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 26): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453	1455	1456	1460
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	69	92	17	5	54	81	133	65	54	66	63	63
BLOCK 2	63	49	76	0	102	44	39	84	71	96	31	80
BLOCK 3	14	32	68	0	66	0	74	99	59	94	20	51
BLOCK 4	0	59	62	0	158	0	132	84	7	126	3	81
BLOCK 5	3	0	23	0	21	0	0	97	46	126	3	0
BLOCK 6	1	3	67	0	162	0	0	80	0	141	2	0
BLOCK 7	1	0	8	1	166	0	0	77	0	145	5	0
BLOCK 8	0	0	62	1	185	37	0	100	0	125	0	0
BLOCK 9	0	0	80	0	177	5	0	76	4	159	0	0
BLOCK 10	0	0	54	1	238	64	2	99	56	146	3	0
BLOCK 11	0	0	14	4	218	46	0	102	90	146	0	0
BLOCK 12	0	0	0	1	185	87	0	67	29	130	0	1
BLOCK 13	0	0	0	0	202	67	1	109	31	175	2	0
BLOCK 14	0	1	0	0	220	0	2	95	6	188	0	0
BLOCK 15	0	0	0	0	204	0	0	87	5	98	6	0
BLOCK 16	1	0	0	0	220	0	0	73	0	183	0	3
BLOCK 17	4	0	0	0	211	0	0	80	1	170	1	0
BLOCK 18	0	0	0	0	207	0	1	114	0	191	1	0
TOTAL	156	236	531	13	2996	431	384	1588	459	2505	140	279

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 27): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 11	0.1 MG/KG/DAY							
RAT NUMBER	1463	1469	1471	1475	1479	1482	1495	1500
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	54	81	67	91	52	69	18	32
BLOCK 2	54	45	56	81	48	87	52	78
BLOCK 3	52	60	43	59	21	70	79	66
BLOCK 4	52	35	59	61	0	3	15	71
BLOCK 5	58	86	6	31	7	5	1	69
BLOCK 6	21	81	0	3	8	0	57	55
BLOCK 7	40	47	5	0	42	7	76	65
BLOCK 8	16	23	1	0	9	2	72	73
BLOCK 9	1	0	0	0	0	12	55	5
BLOCK 10	39	3	7	0	0	29	32	2
BLOCK 11	1	5	3	13	10	57	65	3
BLOCK 12	5	0	5	51	39	74	0	4
BLOCK 13	1	1	22	12	39	65	0	0
BLOCK 14	30	0	47	1	26	53	0	10
BLOCK 15	60	0	57	2	0	0	0	5
BLOCK 16	3	3	53	1	0	51	1	7
BLOCK 17	4	4	41	0	1	24	1	41
BLOCK 18	11	1	40	4	0	13	0	74
TOTAL	502	475	512	410	302	621	524	660

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 28): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1463	1469	1471	1475	1479	1482	1495	1500
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	68	131	97	133	40	137	8	25
BLOCK 2	41	47	67	108	49	144	28	94
BLOCK 3	40	94	31	54	10	98	94	139
BLOCK 4	53	17	69	108	0	3	7	124
BLOCK 5	61	106	2	38	1	2	0	127
BLOCK 6	14	101	0	1	2	0	46	108
BLOCK 7	42	41	2	0	34	2	72	105
BLOCK 8	13	13	0	0	1	1	92	98
BLOCK 9	0	0	0	0	0	6	55	7
BLOCK 10	31	1	2	0	0	15	31	0
BLOCK 11	0	1	2	18	3	58	55	1
BLOCK 12	1	0	2	58	37	94	0	0
BLOCK 13	0	0	12	10	41	111	0	0
BLOCK 14	26	0	52	0	21	48	0	4
BLOCK 15	61	0	67	0	0	0	0	1
BLOCK 16	2	1	79	0	0	55	0	6
BLOCK 17	1	1	73	0	0	24	0	50
BLOCK 18	6	0	57	0	0	10	0	88
TOTAL	460	554	614	528	239	808	488	977

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 29): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435	1442	1444
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	29	63	44	69	4	45	70	72	7	58	40	83
BLOCK 2	12	73	65	70	14	0	65	74	12	31	9	64
BLOCK 3	18	64	61	43	11	61	52	67	13	8	0	64
BLOCK 4	0	89	69	52	8	11	42	53	49	15	10	73
BLOCK 5	0	59	63	82	14	3	5	75	86	0	7	65
BLOCK 6	0	90	58	27	16	6	20	58	24	0	0	76
BLOCK 7	0	68	63	5	19	1	13	63	1	2	0	64
BLOCK 8	0	95	57	4	0	3	5	70	0	0	0	28
BLOCK 9	0	61	11	5	11	0	1	59	2	1	0	6
BLOCK 10	0	57	28	0	0	1	0	50	1	1	0	3
BLOCK 11	0	88	22	1	35	3	0	53	0	0	0	1
BLOCK 12	0	53	4	2	39	2	0	1	1	0	1	6
BLOCK 13	1	2	1	0	0	7	11	7	0	1	0	1
BLOCK 14	0	0	5	1	1	2	54	1	2	2	2	0
BLOCK 15	0	2	0	3	0	2	58	2	0	0	0	0
BLOCK 16	1	0	5	7	0	2	68	17	0	0	0	23
BLOCK 17	0	0	72	1	0	1	64	4	1	8	0	3
BLOCK 18	0	8	17	42	0	8	55	0	1	27	2	0
TOTAL	61	872	645	414	172	158	583	726	200	154	71	560

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 30): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 111	1.0 MG/KG/DAY											
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435	1442	1444
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	13	81	24	59	0	62	86	75	1	63	34	124
BLOCK 2	4	146	73	64	4	0	80	91	3	23	6	85
BLOCK 3	6	161	95	35	4	44	87	123	4	3	0	81
BLOCK 4	0	170	120	34	5	3	51	85	36	8	8	75
BLOCK 5	0	59	109	96	7	1	0	80	125	0	2	92
BLOCK 6	0	140	67	19	8	3	13	93	24	0	0	82
BLOCK 7	0	101	123	3	5	0	5	108	0	0	0	58
BLOCK 8	0	144	66	1	0	1	0	103	0	0	0	23
BLOCK 9	0	91	2	1	4	0	0	83	0	0	0	4
BLOCK 10	0	98	17	0	0	0	0	84	0	0	0	2
BLOCK 11	0	154	12	0	26	1	0	85	0	0	0	0
BLOCK 12	0	71	3	1	26	1	0	0	0	0	0	2
BLOCK 13	0	0	0	0	0	2	8	4	0	0	0	0
BLOCK 14	0	0	1	0	0	1	62	0	0	0	0	0
BLOCK 15	0	0	0	0	0	1	80	1	0	0	0	0
BLOCK 16	0	0	1	3	0	0	114	7	0	0	0	14
BLOCK 17	0	0	83	0	0	0	93	1	0	1	0	2
BLOCK 18	0	1	10	20	0	3	66	0	0	25	0	0
TOTAL	23	1417	806	336	89	123	745	1023	193	123	50	644

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 31): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1449	1454	1458	1461	1480	1491	1492	1499
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	5	13	33	20	38	57	43	59
BLOCK 2	0	22	11	13	11	32	10	68
BLOCK 3	6	45	5	3	81	35	44	45
BLOCK 4	3	25	0	0	37	27	38	0
BLOCK 5	0	76	1	1	2	45	28	70
BLOCK 6	0	20	4	1	13	38	57	55
BLOCK 7	0	57	1	0	33	64	42	35
BLOCK 8	1	74	0	1	14	68	58	8
BLOCK 9	1	40	2	1	56	7	8	1
BLOCK 10	1	0	2	1	69	55	37	6
BLOCK 11	1	0	3	29	40	59	14	1
BLOCK 12	0	5	22	75	76	46	43	14
BLOCK 13	4	0	8	95	6	57	62	28
BLOCK 14	11	2	0	73	1	48	43	71
BLOCK 15	0	8	3	53	4	40	56	74
BLOCK 16	0	5	1	83	2	0	50	65
BLOCK 17	1	12	1	60	3	3	2	67
BLOCK 18	0	27	0	37	0	1	41	64
TOTAL	34	431	97	546	486	682	676	731

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 32): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1449	1454	1458	1461	1480	1491	1492	1499
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	1	4	14	10	16	59	34	79
BLOCK 2	0	9	1	8	6	26	4	77
BLOCK 3	1	38	1	0	101	30	30	66
BLOCK 4	0	11	0	0	28	15	37	0
BLOCK 5	0	98	0	0	0	42	26	61
BLOCK 6	0	10	1	0	5	13	44	51
BLOCK 7	0	46	0	0	18	93	44	35
BLOCK 8	0	86	0	0	5	94	67	1
BLOCK 9	0	40	0	0	53	1	6	0
BLOCK 10	0	0	1	0	141	51	60	2
BLOCK 11	0	0	1	17	56	69	11	0
BLOCK 12	0	2	8	98	120	83	40	5
BLOCK 13	1	0	3	140	1	90	84	13
BLOCK 14	3	0	0	107	0	62	69	121
BLOCK 15	0	2	0	52	0	33	83	129
BLOCK 16	0	4	0	104	1	0	43	100
BLOCK 17	0	3	0	64	0	1	2	116
BLOCK 18	0	17	0	75	0	0	77	117
TOTAL	6	370	30	675	551	762	761	973

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 33): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438	1439	1445	1451
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	20	7	86	73	26	83	19	30	4	66	16	47
BLOCK 2	34	76	52	56	35	31	64	51	7	80	13	10
BLOCK 3	21	66	41	60	22	69	53	28	9	64	6	17
BLOCK 4	8	31	65	7	53	36	0	49	0	55	0	44
BLOCK 5	0	0	59	55	14	31	0	14	0	60	0	42
BLOCK 6	0	0	42	58	1	66	0	42	0	22	0	64
BLOCK 7	2	0	40	61	3	6	0	33	1	0	0	57
BLOCK 8	5	2	49	10	5	0	0	30	1	0	2	66
BLOCK 9	0	0	39	1	46	6	2	41	10	32	1	52
BLOCK 10	0	1	39	9	21	32	0	22	7	8	1	62
BLOCK 11	14	0	3	0	2	64	0	9	0	0	0	63
BLOCK 12	11	1	4	3	5	72	6	36	0	47	0	61
BLOCK 13	5	1	8	1	0	59	1	25	1	78	0	62
BLOCK 14	3	1	0	12	2	44	5	49	4	55	0	70
BLOCK 15	0	0	5	2	6	70	3	22	0	62	2	72
BLOCK 16	6	0	4	1	1	63	0	57	0	31	0	73
BLOCK 17	2	0	2	0	2	60	0	32	0	2	0	56
BLOCK 18	0	0	0	1	18	0	2	2	0	4	1	68
TOTAL	131	186	538	410	262	792	155	572	44	666	42	986

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 34): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438	1439	1445	1451
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	13	1	134	95	24	136	20	26	1	50	5	31
BLOCK 2	22	75	58	127	22	49	80	48	3	103	6	5
BLOCK 3	12	73	39	123	15	124	101	23	2	55	1	13
BLOCK 4	5	21	96	5	38	45	0	42	0	42	0	51
BLOCK 5	0	0	99	67	9	25	0	11	0	57	0	47
BLOCK 6	0	0	64	91	0	76	0	41	0	13	0	76
BLOCK 7	0	0	48	94	1	4	0	38	0	0	0	69
BLOCK 8	1	0	89	7	1	0	0	35	0	0	0	82
BLOCK 9	0	0	63	0	26	1	1	43	2	15	0	70
BLOCK 10	0	0	69	4	14	26	0	19	2	2	0	113
BLOCK 11	6	0	1	0	0	87	0	10	0	0	0	76
BLOCK 12	3	0	2	2	4	115	1	56	0	27	0	110
BLOCK 13	2	0	2	0	0	60	1	14	0	59	0	92
BLOCK 14	0	0	0	6	1	60	2	62	0	70	0	90
BLOCK 15	0	0	2	1	1	111	0	21	0	49	1	86
BLOCK 16	2	0	2	0	0	88	0	58	0	24	0	75
BLOCK 17	0	0	1	0	0	62	0	36	0	0	0	60
BLOCK 18	0	0	0	0	11	0	0	1	0	0	0	84
TOTAL	66	170	769	622	167	1069	206	584	10	566	13	1230

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 35): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1459	1464	1465	1474	1476	1483	1487	1497
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	47	21	32	17	15	11	56	80
BLOCK 2	28	0	20	12	70	23	50	79
BLOCK 3	25	0	12	42	37	11	62	60
BLOCK 4	52	0	0	18	9	0	40	82
BLOCK 5	86	0	28	2	47	0	65	38
BLOCK 6	41	0	9	1	62	0	54	0
BLOCK 7	30	20	0	1	7	0	74	0
BLOCK 8	69	2	1	1	68	0	63	0
BLOCK 9	71	3	0	4	59	0	70	4
BLOCK 10	74	0	1	6	3	0	64	2
BLOCK 11	46	4	3	71	0	0	56	1
BLOCK 12	5	0	1	94	2	0	7	5
BLOCK 13	2	0	0	85	70	0	4	0
BLOCK 14	0	0	2	79	82	0	75	0
BLOCK 15	0	2	0	44	35	2	64	0
BLOCK 16	3	0	0	11	0	1	64	3
BLOCK 17	0	3	0	45	39	0	62	0
BLOCK 18	2	0	0	30	8	1	7	8
TOTAL	581	55	109	563	613	49	937	362

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 36): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1459	1464	1465	1474	1476	1483	1487	1497
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	67	10	24	12	7	2	52	98
BLOCK 2	43	0	10	5	78	14	26	97
BLOCK 3	13	0	15	31	42	8	80	74
BLOCK 4	53	0	0	7	2	0	52	115
BLOCK 5	96	0	18	0	54	0	60	51
BLOCK 6	29	0	6	0	82	0	76	0
BLOCK 7	20	11	0	0	10	0	93	0
BLOCK 8	62	0	0	0	84	0	126	0
BLOCK 9	83	1	0	1	66	0	82	1
BLOCK 10	92	0	0	1	1	0	101	0
BLOCK 11	56	3	2	48	0	0	110	0
BLOCK 12	1	0	0	93	0	0	4	0
BLOCK 13	0	0	0	105	70	0	1	0
BLOCK 14	0	0	0	119	100	0	116	0
BLOCK 15	0	1	0	68	40	0	106	0
BLOCK 16	2	0	0	2	0	0	90	0
BLOCK 17	0	1	0	27	51	0	109	0
BLOCK 18	0	0	0	14	6	0	1	0
TOTAL	617	27	75	533	693	24	1285	436

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 37): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441	1443	1448	1452
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	40	62	52	61	22	18	62	63	3	73	61	72
BLOCK 2	25	77	28	65	25	32	39	73	6	75	26	12
BLOCK 3	49	77	57	64	24	16	26	29	11	86	13	0
BLOCK 4	1	76	65	82	37	63	16	24	65	77	0	39
BLOCK 5	67	44	35	49	4	51	4	37	43	87	0	72
BLOCK 6	2	62	65	59	6	8	1	3	38	84	1	71
BLOCK 7	86	72	66	75	1	0	5	0	67	75	1	58
BLOCK 8	67	73	41	62	0	0	9	2	4	108	5	71
BLOCK 9	30	4	3	64	0	2	1	0	0	73	2	31
BLOCK 10	74	34	1	67	0	47	0	3	1	43	16	2
BLOCK 11	8	3	3	49	0	64	0	0	3	6	66	5
BLOCK 12	0	45	1	57	0	40	3	1	0	0	63	0
BLOCK 13	0	24	1	50	0	55	12	0	0	3	21	9
BLOCK 14	0	80	7	68	0	56	1	9	0	0	16	4
BLOCK 15	0	72	12	78	0	3	4	5	0	2	2	0
BLOCK 16	47	73	3	52	2	1	3	0	0	0	1	6
BLOCK 17	29	81	2	70	0	0	0	0	0	11	3	3
BLOCK 18	58	70	2	31	3	5	10	4	0	1	0	7
TOTAL	583	1029	444	1103	124	461	196	253	241	804	297	462

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 38): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441	1443	1448	1452
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	28	58	30	88	21	14	46	60	0	136	64	92
BLOCK 2	19	142	13	76	18	18	23	57	1	124	10	4
BLOCK 3	44	83	37	89	15	5	20	18	6	109	9	0
BLOCK 4	0	129	64	132	45	99	9	12	57	115	0	27
BLOCK 5	100	68	46	84	3	48	3	24	51	119	0	76
BLOCK 6	0	57	97	76	2	3	0	0	41	110	0	78
BLOCK 7	103	137	51	90	0	0	0	0	67	113	0	65
BLOCK 8	68	100	36	87	0	0	5	0	1	135	2	80
BLOCK 9	24	0	1	85	0	0	0	0	0	136	0	29
BLOCK 10	83	25	0	111	0	40	0	1	0	54	7	0
BLOCK 11	4	1	0	71	0	54	0	0	0	9	82	1
BLOCK 12	0	34	1	113	0	60	1	0	0	0	87	0
BLOCK 13	0	16	0	70	0	80	4	0	0	1	25	3
BLOCK 14	0	137	4	75	0	51	0	2	0	0	17	2
BLOCK 15	0	113	4	113	0	2	1	1	0	0	0	0
BLOCK 16	34	154	0	59	0	0	1	0	0	0	0	3
BLOCK 17	50	127	1	76	0	0	0	0	0	9	1	0
BLOCK 18	63	98	1	34	1	2	3	1	0	0	0	2
TOTAL	620	1479	386	1529	105	476	116	176	224	1170	304	462

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 39): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1466	1473	1478	1484	1488	1489	1493	1498
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	97	7	23	0	31	58	56	42
BLOCK 2	82	0	26	14	20	60	58	37
BLOCK 3	77	0	14	24	22	66	34	7
BLOCK 4	77	0	10	1	11	31	19	1
BLOCK 5	72	4	8	0	0	0	52	0
BLOCK 6	66	2	0	1	5	0	52	2
BLOCK 7	86	0	8	16	0	9	28	8
BLOCK 8	99	1	12	12	0	2	1	0
BLOCK 9	72	0	52	0	0	16	3	0
BLOCK 10	79	0	8	1	2	5	3	7
BLOCK 11	64	1	27	4	0	1	0	16
BLOCK 12	71	1	40	0	2	6	9	60
BLOCK 13	81	4	9	0	5	0	1	63
BLOCK 14	55	4	2	2	0	0	4	82
BLOCK 15	2	15	1	0	0	2	0	77
BLOCK 16	2	46	0	4	0	15	1	105
BLOCK 17	2	9	1	6	3	35	1	70
BLOCK 18	1	12	1	3	0	70	0	68
TOTAL	1085	106	242	88	101	376	322	645

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 40): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1466	1473	1478	1484	1488	1489	1493	1498
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	172	4	12	0	21	65	44	45
BLOCK 2	132	0	14	9	15	95	71	25
BLOCK 3	150	0	4	16	14	147	46	2
BLOCK 4	174	0	5	0	10	43	8	0
BLOCK 5	181	0	2	0	0	0	54	0
BLOCK 6	162	0	0	0	1	0	49	0
BLOCK 7	161	0	5	8	0	2	26	4
BLOCK 8	133	0	2	3	0	0	0	0
BLOCK 9	150	0	40	0	0	11	0	0
BLOCK 10	105	0	3	0	0	2	0	1
BLOCK 11	89	0	15	1	0	0	0	10
BLOCK 12	145	0	31	0	0	2	3	100
BLOCK 13	164	1	5	0	1	0	0	111
BLOCK 14	95	0	0	0	0	0	1	161
BLOCK 15	0	5	0	0	0	0	0	141
BLOCK 16	0	48	0	1	0	7	0	138
BLOCK 17	0	4	0	1	0	65	0	127
BLOCK 18	0	9	0	2	0	114	0	100
TOTAL	2013	71	138	41	62	553	302	965

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 41): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462	1467	1468	1470
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	47	49	57	49	29	36	77	50	69	80	69	56
BLOCK 2	49	62	2	40	32	39	33	23	87	54	77	52
BLOCK 3	65	9	64	41	1	0	58	32	61	41	60	6
BLOCK 4	17	0	15	0	0	0	54	0	20	12	55	0
BLOCK 5	3	0	2	0	0	19	45	0	4	7	65	0
BLOCK 6	4	1	0	4	0	23	64	0	3	2	26	0
BLOCK 7	3	0	2	0	0	1	68	0	7	0	0	8
BLOCK 8	3	0	3	0	0	0	16	0	5	5	3	7
BLOCK 9	0	1	3	2	0	0	20	0	2	0	0	61
BLOCK 10	0	1	0	0	0	0	4	0	0	4	29	61
BLOCK 11	7	16	0	0	0	0	3	1	9	1	43	31
BLOCK 12	3	60	0	1	26	0	3	1	1	0	18	0
BLOCK 13	1	12	5	6	14	2	16	0	0	8	0	0
BLOCK 14	7	54	15	21	0	1	35	0	16	11	2	0
BLOCK 15	1	32	26	11	0	0	16	2	2	48	3	0
BLOCK 16	0	39	0	0	3	0	11	0	6	61	0	0
BLOCK 17	8	3	0	1	0	0	0	4	7	42	2	0
BLOCK 18	2	0	0	4	1	0	1	0	4	8	0	0
TOTAL	220	339	194	180	106	121	524	113	303	384	452	282

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 42): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 1 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462	1467	1468	1470
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	109	52	47	60	31	38	112	46	97	130	179	71
BLOCK 2	43	64	0	42	17	36	42	11	94	93	90	71
BLOCK 3	89	5	96	41	0	0	94	29	67	36	71	2
BLOCK 4	20	0	19	0	0	0	41	0	16	8	94	0
BLOCK 5	1	0	0	0	0	12	35	0	0	2	66	0
BLOCK 6	0	0	0	3	0	20	75	0	0	0	18	0
BLOCK 7	1	0	0	0	0	0	120	0	5	0	0	6
BLOCK 8	0	0	1	0	0	0	22	0	1	1	2	4
BLOCK 9	0	0	1	1	0	0	10	0	0	0	0	76
BLOCK 10	0	0	0	0	0	0	1	0	0	2	25	74
BLOCK 11	3	14	0	0	0	0	0	0	1	0	35	34
BLOCK 12	0	61	0	0	22	0	1	0	0	0	15	0
BLOCK 13	0	6	2	2	10	1	15	0	0	2	0	0
BLOCK 14	3	69	4	10	0	0	32	0	9	16	1	0
BLOCK 15	0	24	19	5	0	0	19	0	0	40	0	0
BLOCK 16	0	32	0	0	0	0	9	0	2	51	0	0
BLOCK 17	3	1	0	0	0	0	0	1	3	23	1	0
BLOCK 18	1	0	0	2	0	0	0	0	1	3	0	0
TOTAL	273	328	189	166	80	107	628	87	296	407	597	338

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 43): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1472	1477	1481	1485	1486	1490	1494	1496
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	60	79	94	61	75	74	62	51
BLOCK 2	85	63	82	68	64	52	48	50
BLOCK 3	32	6	78	27	32	29	17	46
BLOCK 4	37	0	63	0	36	4	54	2
BLOCK 5	0	1	65	0	25	0	42	57
BLOCK 6	0	4	75	0	50	0	50	49
BLOCK 7	0	2	43	2	27	21	45	45
BLOCK 8	16	2	73	0	37	25	52	8
BLOCK 9	69	6	47	0	0	3	1	8
BLOCK 10	53	21	68	3	24	6	1	15
BLOCK 11	52	48	31	2	19	10	11	41
BLOCK 12	0	37	43	4	60	2	3	48
BLOCK 13	0	5	43	0	30	6	0	27
BLOCK 14	1	1	48	2	23	48	0	9
BLOCK 15	0	5	35	3	0	66	0	34
BLOCK 16	0	2	47	2	0	75	3	1
BLOCK 17	0	0	64	6	0	44	0	5
BLOCK 18	0	4	53	28	0	58	1	0
TOTAL	405	286	1052	208	502	523	390	496

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 44): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1472	1477	1481	1485	1486	1490	1494	1496
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	66	134	158	89	85	90	109	81
BLOCK 2	96	81	108	79	68	52	76	62
BLOCK 3	23	0	111	25	21	39	10	77
BLOCK 4	33	0	93	0	25	0	63	0
BLOCK 5	0	0	67	0	17	0	59	81
BLOCK 6	0	1	105	0	55	0	68	58
BLOCK 7	0	1	54	1	15	8	81	79
BLOCK 8	10	0	141	0	35	10	80	4
BLOCK 9	65	1	77	0	0	0	0	6
BLOCK 10	42	10	94	2	8	1	0	26
BLOCK 11	33	40	28	0	8	8	7	44
BLOCK 12	0	21	45	2	69	0	1	51
BLOCK 13	0	1	33	0	32	1	0	27
BLOCK 14	0	1	40	0	9	65	0	6
BLOCK 15	0	2	22	0	0	87	0	35
BLOCK 16	0	3	55	0	0	77	0	0
BLOCK 17	0	0	101	2	0	38	0	4
BLOCK 18	0	1	72	34	0	69	0	0
TOTAL	368	297	1404	234	447	545	554	641

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 45): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453	1455	1456	1460
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	64	72	26	72	47	64	69	60	62	80	64	76
BLOCK 2	79	44	0	39	29	70	63	49	32	29	74	48
BLOCK 3	56	40	2	10	70	72	14	41	0	66	32	50
BLOCK 4	74	4	1	52	1	21	43	40	14	16	43	19
BLOCK 5	84	0	55	6	0	65	74	34	0	1	14	0
BLOCK 6	65	4	52	0	0	68	32	55	0	3	53	0
BLOCK 7	4	1	38	2	0	55	1	22	1	1	27	2
BLOCK 8	4	0	14	0	0	22	3	27	0	0	1	0
BLOCK 9	0	18	12	0	2	1	3	33	0	34	2	2
BLOCK 10	2	6	0	0	0	0	23	16	0	0	5	7
BLOCK 11	0	3	0	2	0	0	42	0	0	14	0	0
BLOCK 12	0	1	0	1	0	0	80	2	0	32	0	0
BLOCK 13	0	17	1	0	0	0	66	0	1	74	14	2
BLOCK 14	0	56	0	0	1	42	71	1	1	76	8	0
BLOCK 15	7	50	1	0	0	86	74	1	0	80	0	2
BLOCK 16	54	54	1	2	0	52	73	4	0	88	2	0
BLOCK 17	71	5	0	0	1	74	0	0	4	69	0	1
BLOCK 18	77	0	0	4	5	70	8	1	0	78	3	0
TOTAL	641	375	203	190	156	762	739	386	115	741	342	209

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 46): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453	1455	1456	1460
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	144	122	22	85	63	138	100	86	87	137	178	138
BLOCK 2	110	71	0	52	29	115	97	51	20	28	83	56
BLOCK 3	66	47	0	3	131	89	15	54	0	170	23	39
BLOCK 4	108	1	0	56	0	21	37	31	5	19	24	6
BLOCK 5	140	0	73	2	0	88	102	28	0	0	2	0
BLOCK 6	80	1	33	0	0	88	65	94	0	2	60	0
BLOCK 7	3	0	27	1	0	103	0	15	0	0	22	1
BLOCK 8	2	0	2	0	0	13	0	28	0	0	0	0
BLOCK 9	0	12	5	0	0	1	0	52	0	30	3	0
BLOCK 10	1	1	0	0	0	0	25	12	0	0	2	5
BLOCK 11	0	1	0	0	0	0	58	0	0	16	0	0
BLOCK 12	0	0	0	0	0	0	104	1	0	24	0	0
BLOCK 13	0	20	0	0	0	0	124	0	0	105	5	0
BLOCK 14	0	48	0	0	0	41	117	0	0	89	3	0
BLOCK 15	4	62	0	0	0	138	102	0	0	120	0	0
BLOCK 16	61	40	0	1	0	62	117	2	0	122	1	0
BLOCK 17	88	3	0	0	0	169	0	0	0	132	0	0
BLOCK 18	118	0	0	1	3	99	5	0	0	137	0	0
TOTAL	925	429	162	201	226	1165	1068	454	112	1131	406	245

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 47): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1463	1469	1471	1475	1479	1482	1495	1500
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	55	80	67	69	36	76	67	74
BLOCK 2	43	63	43	48	54	46	38	64
BLOCK 3	60	51	4	67	44	52	26	62
BLOCK 4	26	6	41	67	11	33	1	68
BLOCK 5	35	62	22	76	17	62	26	67
BLOCK 6	1	22	5	72	1	0	58	76
BLOCK 7	0	9	2	33	14	36	32	71
BLOCK 8	0	0	5	24	15	20	7	59
BLOCK 9	6	2	3	2	0	28	0	76
BLOCK 10	17	0	0	20	2	13	2	64
BLOCK 11	74	1	2	1	2	79	1	55
BLOCK 12	20	0	2	8	1	64	0	62
BLOCK 13	17	1	5	2	6	34	0	63
BLOCK 14	25	1	5	6	0	57	0	65
BLOCK 15	51	0	2	0	2	35	2	65
BLOCK 16	5	0	4	0	2	36	8	65
BLOCK 17	62	0	2	0	0	57	46	57
BLOCK 18	46	0	3	0	0	4	69	31
TOTAL	543	298	217	495	207	732	383	1144

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 48): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1463	1469	1471	1475	1479	1482	1495	1500
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	51	130	60	120	30	130	68	176
BLOCK 2	43	105	41	68	60	78	38	129
BLOCK 3	47	59	2	85	28	83	24	142
BLOCK 4	20	1	38	94	3	51	1	136
BLOCK 5	26	70	25	97	6	82	29	157
BLOCK 6	0	12	1	63	0	0	64	149
BLOCK 7	0	2	0	34	5	49	21	114
BLOCK 8	0	0	1	20	7	10	1	143
BLOCK 9	0	0	0	0	0	32	0	152
BLOCK 10	9	0	0	17	1	9	0	159
BLOCK 11	75	0	1	0	0	130	0	120
BLOCK 12	26	0	0	6	0	102	0	113
BLOCK 13	24	0	1	0	1	27	0	113
BLOCK 14	18	0	3	2	0	75	0	109
BLOCK 15	63	0	0	0	0	39	0	106
BLOCK 16	8	0	1	0	1	52	3	152
BLOCK 17	87	0	0	0	0	53	36	161
BLOCK 18	61	0	0	0	0	1	67	44
TOTAL	558	379	174	606	142	1003	352	2375

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 49): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435	1442	1444
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	20	82	82	59	52	68	52	80	61	75	59	79
BLOCK 2	33	48	86	41	38	38	53	69	33	51	44	49
BLOCK 3	10	8	20	13	37	7	49	40	3	6	41	33
BLOCK 4	0	0	0	2	0	41	46	16	12	11	37	30
BLOCK 5	0	12	0	1	0	42	61	11	0	0	0	50
BLOCK 6	0	17	3	0	1	1	16	0	0	0	0	30
BLOCK 7	0	20	4	2	0	2	2	0	0	0	53	0
BLOCK 8	0	0	0	2	0	1	0	67	0	1	71	2
BLOCK 9	0	6	5	1	0	1	0	61	0	0	36	2
BLOCK 10	0	27	4	0	1	1	4	36	1	37	24	44
BLOCK 11	0	43	1	0	0	0	4	53	0	24	6	25
BLOCK 12	0	12	28	12	0	2	0	15	0	0	0	0
BLOCK 13	0	1	47	8	0	3	2	60	0	2	1	1
BLOCK 14	13	2	57	2	7	0	0	62	1	0	3	2
BLOCK 15	0	3	46	2	21	4	8	24	19	0	29	0
BLOCK 16	0	1	12	1	59	0	6	45	12	1	56	1
BLOCK 17	0	0	0	7	41	1	3	59	9	0	30	1
BLOCK 18	0	0	2	16	48	0	59	22	5	1	40	2
TOTAL	76	282	397	169	305	212	365	720	156	209	530	351

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 50): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435	1442	1444
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	10	123	167	79	62	94	125	115	83	149	100	137
BLOCK 2	22	72	143	28	34	44	98	60	44	88	55	87
BLOCK 3	5	0	30	11	37	2	74	25	1	1	38	28
BLOCK 4	0	0	0	0	0	25	66	5	5	8	44	23
BLOCK 5	0	5	0	1	0	38	102	4	0	0	0	72
BLOCK 6	0	17	0	0	0	0	16	0	0	0	0	13
BLOCK 7	0	7	1	1	0	0	0	0	0	0	72	0
BLOCK 8	0	0	0	1	0	0	0	39	0	1	109	1
BLOCK 9	0	3	1	0	0	0	0	59	0	0	45	0
BLOCK 10	0	38	1	0	0	0	1	43	0	38	31	43
BLOCK 11	0	41	0	0	0	0	2	71	0	30	3	43
BLOCK 12	0	4	33	4	0	1	0	9	0	0	0	0
BLOCK 13	0	0	66	2	0	2	1	60	0	0	0	0
BLOCK 14	7	0	85	0	5	0	0	53	0	0	1	1
BLOCK 15	0	0	36	1	19	1	6	12	8	0	22	0
BLOCK 16	0	0	6	1	64	0	3	28	4	0	80	0
BLOCK 17	0	0	0	3	42	0	0	57	2	0	36	0
BLOCK 18	0	0	1	7	46	0	75	12	1	0	32	0
TOTAL	44	310	570	139	309	207	569	652	148	315	668	448

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 51): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1449	1454	1458	1461	1480	1491	1492	1499
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	58	72	75	74	75	82	65	78
BLOCK 2	0	63	64	71	49	29	10	77
BLOCK 3	11	54	22	88	28	57	13	21
BLOCK 4	1	34	2	76	48	1	0	24
BLOCK 5	26	12	0	75	51	17	0	0
BLOCK 6	0	1	3	58	4	0	0	0
BLOCK 7	0	2	0	51	0	1	0	7
BLOCK 8	0	1	0	2	0	8	1	1
BLOCK 9	0	1	19	0	0	0	4	0
BLOCK 10	5	1	3	7	1	1	7	5
BLOCK 11	4	0	2	0	11	1	53	2
BLOCK 12	1	1	3	4	4	0	37	0
BLOCK 13	0	8	3	1	0	0	30	0
BLOCK 14	0	50	3	1	3	4	10	0
BLOCK 15	1	54	4	0	0	30	18	9
BLOCK 16	14	62	1	0	1	51	14	11
BLOCK 17	56	47	3	0	0	72	27	3
BLOCK 18	48	51	4	0	1	20	0	49
TOTAL	225	514	211	508	276	374	289	287

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 52): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1449	1454	1458	1461	1480	1491	1492	1499
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	62	126	112	155	83	108	93	164
BLOCK 2	0	79	63	100	45	35	6	102
BLOCK 3	4	76	11	126	21	45	13	20
BLOCK 4	0	25	0	111	45	0	0	20
BLOCK 5	14	11	0	109	34	13	0	0
BLOCK 6	0	0	1	92	2	0	0	0
BLOCK 7	0	0	0	56	0	0	0	5
BLOCK 8	0	0	0	1	0	1	0	0
BLOCK 9	0	0	8	0	0	0	1	0
BLOCK 10	0	0	0	2	0	0	7	1
BLOCK 11	1	0	1	0	3	0	58	3
BLOCK 12	0	0	1	1	2	0	39	0
BLOCK 13	0	1	1	0	0	0	41	0
BLOCK 14	0	63	1	0	1	2	22	0
BLOCK 15	0	59	1	0	0	28	19	5
BLOCK 16	4	104	0	0	0	48	6	6
BLOCK 17	43	41	0	0	0	68	19	1
BLOCK 18	44	57	1	0	0	10	0	63
TOTAL	172	642	201	753	236	358	324	390

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 53): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438	1439	1445	1451
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	59	72	27	60	45	93	64	55	41	86	56	88
BLOCK 2	44	86	47	15	72	60	38	45	15	65	41	37
BLOCK 3	45	64	18	59	51	14	22	44	1	68	29	49
BLOCK 4	67	59	8	14	0	0	0	23	0	5	3	52
BLOCK 5	48	48	73	57	15	0	0	18	0	2	1	21
BLOCK 6	12	40	52	15	0	2	0	6	0	1	2	23
BLOCK 7	1	16	51	58	1	0	1	3	0	8	10	12
BLOCK 8	0	0	12	0	1	50	0	39	0	7	0	3
BLOCK 9	1	0	0	0	0	36	0	38	1	0	3	1
BLOCK 10	0	2	7	0	3	2	0	51	0	1	1	16
BLOCK 11	3	0	2	2	2	1	2	56	3	13	0	0
BLOCK 12	1	0	31	2	0	0	0	29	0	0	1	0
BLOCK 13	0	0	0	28	8	0	1	28	7	0	0	0
BLOCK 14	1	1	2	72	4	1	0	49	3	15	1	0
BLOCK 15	1	0	5	63	0	4	0	2	7	98	4	1
BLOCK 16	2	0	2	69	0	0	0	0	61	79	1	21
BLOCK 17	3	3	4	75	5	0	0	1	38	68	0	59
BLOCK 18	0	9	0	15	2	0	2	0	11	47	0	42
TOTAL	288	400	341	604	209	263	130	487	188	563	153	425

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 54): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438	1439	1445	1451
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	78	143	18	97	62	159	133	61	26	117	44	99
BLOCK 2	33	92	61	9	73	63	47	51	16	128	45	37
BLOCK 3	53	42	12	151	52	14	41	37	0	46	18	39
BLOCK 4	75	66	2	26	0	0	0	15	0	1	0	62
BLOCK 5	76	64	102	101	6	0	0	10	0	0	0	16
BLOCK 6	8	22	63	6	0	1	0	2	0	0	1	22
BLOCK 7	0	9	62	128	0	0	0	1	0	4	2	7
BLOCK 8	0	0	4	0	0	54	0	50	0	1	0	0
BLOCK 9	0	0	0	0	0	32	0	61	0	0	1	0
BLOCK 10	0	1	3	0	0	0	0	43	0	0	0	18
BLOCK 11	0	0	0	3	0	0	0	92	1	4	0	0
BLOCK 12	0	0	16	1	0	0	0	32	0	0	0	0
BLOCK 13	0	0	0	34	1	0	0	42	2	0	0	0
BLOCK 14	0	0	0	156	2	0	0	43	2	7	0	0
BLOCK 15	0	0	2	113	0	1	0	2	1	83	1	0
BLOCK 16	0	0	0	122	0	0	0	0	55	97	0	20
BLOCK 17	1	0	0	98	1	0	0	0	20	66	0	62
BLOCK 18	0	3	0	18	0	0	1	0	6	34	0	60
TOTAL	324	442	345	1063	197	324	222	542	129	588	112	442

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 55): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1459	1464	1465	1474	1476	1483	1487	1497
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	62	68	84	67	66	3	74	66
BLOCK 2	61	37	52	2	59	23	62	39
BLOCK 3	40	14	45	11	29	0	49	55
BLOCK 4	17	32	29	20	15	3	50	31
BLOCK 5	4	4	25	31	0	1	37	0
BLOCK 6	5	0	6	0	0	0	10	3
BLOCK 7	0	0	41	14	0	5	30	2
BLOCK 8	8	1	5	0	2	30	20	0
BLOCK 9	1	0	0	2	1	3	7	10
BLOCK 10	29	0	60	4	0	18	8	2
BLOCK 11	8	0	75	14	0	2	55	1
BLOCK 12	5	0	28	12	1	0	30	0
BLOCK 13	4	0	34	3	62	0	48	1
BLOCK 14	2	0	46	1	62	0	48	1
BLOCK 15	0	15	22	0	54	1	72	0
BLOCK 16	21	22	1	0	45	0	53	0
BLOCK 17	35	46	0	3	18	1	9	0
BLOCK 18	13	35	3	1	43	0	1	1
TOTAL	315	274	556	185	457	90	663	212

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 56): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1459	1464	1465	1474	1476	1483	1487	1497
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	87	137	107	101	85	1	94	121
BLOCK 2	48	49	62	0	85	21	85	42
BLOCK 3	53	16	34	4	15	0	55	48
BLOCK 4	4	25	31	17	7	0	37	49
BLOCK 5	3	2	25	18	0	0	28	0
BLOCK 6	1	0	2	0	0	0	4	3
BLOCK 7	0	0	42	5	0	2	19	1
BLOCK 8	3	0	1	0	0	17	9	0
BLOCK 9	0	0	0	0	0	1	2	4
BLOCK 10	41	0	80	1	0	11	3	1
BLOCK 11	2	0	127	6	0	0	41	0
BLOCK 12	2	0	33	3	0	0	30	0
BLOCK 13	5	0	42	0	78	0	68	0
BLOCK 14	2	0	46	1	63	0	41	0
BLOCK 15	0	10	20	0	61	0	74	0
BLOCK 16	22	19	0	0	45	0	54	0
BLOCK 17	32	49	0	0	7	0	4	0
BLOCK 18	10	60	1	0	47	0	0	0
TOTAL	315	367	653	156	493	53	648	269

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 57): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441	1443	1448	1452
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	79	87	77	44	62	38	90	91	48	81	71	65
BLOCK 2	41	69	80	53	54	27	55	52	28	26	58	53
BLOCK 3	36	58	63	43	34	14	47	96	17	1	69	52
BLOCK 4	0	10	71	61	64	0	2	61	0	0	55	20
BLOCK 5	8	53	56	45	4	40	5	13	5	6	3	0
BLOCK 6	0	59	2	41	7	52	6	0	1	61	0	0
BLOCK 7	8	11	8	67	1	0	3	0	1	23	1	3
BLOCK 8	0	2	47	30	0	0	5	63	0	4	1	2
BLOCK 9	3	5	66	28	3	0	0	53	2	1	1	4
BLOCK 10	2	15	9	0	0	3	1	17	0	0	2	33
BLOCK 11	0	15	0	0	1	0	3	3	2	0	1	63
BLOCK 12	0	3	18	1	0	7	7	0	12	0	1	63
BLOCK 13	0	25	4	0	0	0	1	3	26	0	0	28
BLOCK 14	0	60	5	5	2	0	3	1	32	20	2	38
BLOCK 15	0	69	0	1	0	2	0	0	51	56	3	6
BLOCK 16	3	67	1	0	0	0	0	0	39	59	1	2
BLOCK 17	0	63	0	3	0	5	2	3	46	21	5	0
BLOCK 18	34	36	0	1	0	52	41	0	37	1	0	0
TOTAL	214	707	507	423	232	240	271	456	347	360	274	432

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 58): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441	1443	1448	1452
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	146	101	150	61	101	54	139	143	35	116	138	171
BLOCK 2	43	86	90	103	58	37	70	59	22	19	67	49
BLOCK 3	32	99	77	74	61	18	33	103	11	0	79	72
BLOCK 4	0	6	66	96	128	0	0	52	0	0	125	10
BLOCK 5	4	93	55	62	0	62	1	8	2	2	2	0
BLOCK 6	0	86	0	30	3	57	3	0	0	67	0	0
BLOCK 7	4	8	4	96	0	0	1	0	0	17	0	1
BLOCK 8	0	1	42	17	0	0	3	74	0	5	0	0
BLOCK 9	1	2	78	17	1	0	0	52	0	0	0	1
BLOCK 10	0	8	7	0	0	1	0	5	0	0	0	52
BLOCK 11	0	8	0	0	0	0	0	1	0	0	0	92
BLOCK 12	0	2	10	0	0	2	1	0	7	0	0	66
BLOCK 13	0	21	2	0	0	0	0	0	24	0	0	26
BLOCK 14	0	129	0	1	0	0	0	0	34	27	0	53
BLOCK 15	0	103	0	0	0	0	0	0	60	67	1	4
BLOCK 16	1	76	1	0	0	0	0	0	35	60	0	1
BLOCK 17	0	83	0	0	0	1	0	2	54	16	2	0
BLOCK 18	29	35	0	0	0	58	23	0	35	0	0	0
TOTAL	260	947	582	557	352	290	274	499	319	396	414	598

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 59): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1466	1473	1478	1484	1488	1489	1493	1498
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	78	66	56	80	50	74	68	65
BLOCK 2	75	31	47	43	60	49	65	62
BLOCK 3	46	59	9	60	61	60	68	8
BLOCK 4	51	12	37	55	55	43	8	1
BLOCK 5	64	34	9	20	40	47	30	0
BLOCK 6	34	53	10	0	44	61	39	0
BLOCK 7	28	0	2	0	31	35	4	5
BLOCK 8	54	32	0	1	36	10	6	4
BLOCK 9	4	0	0	8	37	6	2	0
BLOCK 10	39	0	0	2	10	6	16	2
BLOCK 11	21	1	0	6	0	16	55	0
BLOCK 12	4	0	0	0	1	0	75	5
BLOCK 13	17	1	0	0	0	4	30	0
BLOCK 14	1	0	4	5	0	5	1	4
BLOCK 15	3	0	1	4	0	9	5	0
BLOCK 16	8	1	14	0	0	67	4	6
BLOCK 17	6	0	41	34	0	63	2	36
BLOCK 18	0	1	43	1	0	6	0	70
TOTAL	533	291	273	319	425	561	478	268

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 60): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1466	1473	1478	1484	1488	1489	1493	1498
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	130	88	44	150	63	130	117	127
BLOCK 2	84	41	62	68	63	66	113	84
BLOCK 3	70	65	19	61	74	90	88	3
BLOCK 4	61	9	34	55	41	63	3	0
BLOCK 5	105	37	6	7	41	68	17	0
BLOCK 6	32	52	3	0	29	106	20	0
BLOCK 7	29	0	0	0	28	24	0	3
BLOCK 8	64	28	0	0	26	9	1	2
BLOCK 9	0	0	0	3	39	3	0	0
BLOCK 10	58	0	0	0	4	5	7	1
BLOCK 11	14	0	0	1	0	5	67	0
BLOCK 12	0	0	0	0	0	0	89	1
BLOCK 13	7	0	0	0	0	0	36	0
BLOCK 14	0	0	0	2	0	1	0	2
BLOCK 15	0	0	0	2	0	4	3	0
BLOCK 16	1	0	6	0	0	86	2	5
BLOCK 17	2	0	47	20	0	98	1	37
BLOCK 18	0	0	33	0	0	3	0	118
TOTAL	657	320	254	369	408	761	564	383

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 61): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 1 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462	1467	1468	1470
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	57	60	73	66	73	68	35	66	43	70	66	65
BLOCK 2	77	77	73	61	73	68	64	91	65	66	73	86
BLOCK 3	71	56	59	78	75	77	36	71	56	72	76	86
BLOCK 4	67	52	53	71	56	67	31	63	59	80	90	69
BLOCK 5	76	54	64	65	62	78	7	68	58	68	73	92
BLOCK 6	41	6	68	62	64	78	2	59	65	72	77	86
BLOCK 7	40	1	75	76	63	80	1	83	37	69	76	74
BLOCK 8	56	0	61	60	36	71	0	68	80	72	73	80
BLOCK 9	81	0	59	66	58	55	4	48	51	76	78	71
BLOCK 10	56	18	68	66	31	76	1	65	26	73	71	65
BLOCK 11	63	70	58	61	38	82	5	62	22	56	62	46
BLOCK 12	83	68	63	58	64	68	8	14	5	73	73	60
BLOCK 13	66	58	55	78	69	63	6	30	35	58	65	73
BLOCK 14	58	61	77	67	11	61	6	66	0	3	71	73
BLOCK 15	55	71	61	64	2	51	22	31	4	29	63	78
BLOCK 16	61	34	50	82	2	6	2	7	6	26	51	75
BLOCK 17	66	47	63	69	5	2	5	1	0	1	8	54
BLOCK 18	26	26	84	79	4	4	0	1	3	1	29	15
TOTAL	1100	759	1164	1229	786	1055	235	894	615	965	1175	1248

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 62): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 1	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1402	1408	1422	1431	1436	1447	1450	1457	1462	1467	1468	1470
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	240	154	209	193	173	202	175	151	233	205	210	213
BLOCK 2	148	154	153	148	158	154	119	142	186	225	187	183
BLOCK 3	147	142	97	148	99	156	40	121	164	161	194	149
BLOCK 4	155	98	113	147	67	117	42	69	163	182	190	192
BLOCK 5	166	70	164	124	64	97	3	86	122	182	154	190
BLOCK 6	96	4	147	135	74	131	0	90	181	121	149	155
BLOCK 7	68	2	120	134	99	169	0	150	136	147	134	121
BLOCK 8	131	0	96	127	37	118	0	73	129	156	113	158
BLOCK 9	140	0	75	118	86	47	3	61	46	122	133	194
BLOCK 10	156	49	142	104	21	68	0	103	21	108	206	150
BLOCK 11	120	132	81	94	36	98	4	114	18	67	89	47
BLOCK 12	125	125	104	62	124	115	7	8	1	126	145	131
BLOCK 13	90	110	71	106	103	82	3	22	25	125	71	138
BLOCK 14	57	115	123	93	9	107	1	105	0	1	168	131
BLOCK 15	77	125	106	104	0	37	10	39	1	36	75	124
BLOCK 16	114	52	78	124	0	1	0	4	5	20	52	95
BLOCK 17	53	56	119	189	0	0	1	0	0	0	3	86
BLOCK 18	18	16	111	102	0	1	0	0	0	0	16	8
TOTAL	2101	1404	2109	2252	1150	1700	408	1338	1431	1984	2289	2465

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 63): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 1	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1472	1477	1481	1485	1486	1490	1494	1496
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	80	65	47	65	61	52	83	59
BLOCK 2	88	77	63	64	67	74	73	66
BLOCK 3	66	82	59	74	63	71	64	70
BLOCK 4	78	77	60	70	75	46	74	67
BLOCK 5	73	77	57	64	50	57	61	63
BLOCK 6	70	54	68	53	69	64	59	64
BLOCK 7	70	71	70	68	66	71	69	66
BLOCK 8	87	82	67	57	64	18	62	32
BLOCK 9	69	67	76	72	71	33	69	25
BLOCK 10	47	76	79	20	83	27	61	10
BLOCK 11	55	64	73	14	72	8	55	1
BLOCK 12	20	60	61	5	68	1	60	1
BLOCK 13	6	54	74	2	84	2	55	14
BLOCK 14	9	35	66	0	68	0	37	61
BLOCK 15	0	13	30	2	53	2	58	68
BLOCK 16	0	1	19	0	23	2	69	71
BLOCK 17	1	0	0	18	70	7	52	79
BLOCK 18	0	4	6	1	50	2	23	33
TOTAL	819	959	975	649	1157	537	1084	850

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 64): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1472	1477	1481	1485	1486	1490	1494	1496
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	164	233	257	217	241	249	203	230
BLOCK 2	137	198	216	199	208	207	176	195
BLOCK 3	137	173	209	129	180	215	181	152
BLOCK 4	147	181	186	170	151	186	154	192
BLOCK 5	158	123	206	166	75	171	144	143
BLOCK 6	104	121	154	66	101	196	112	101
BLOCK 7	97	161	141	163	141	117	136	83
BLOCK 8	107	154	155	107	183	11	121	38
BLOCK 9	165	142	160	107	106	56	115	18
BLOCK 10	53	173	145	14	103	15	69	6
BLOCK 11	57	115	177	11	154	4	152	0
BLOCK 12	12	159	188	3	86	0	106	0
BLOCK 13	2	99	169	0	98	1	175	11
BLOCK 14	3	18	71	0	134	0	41	62
BLOCK 15	0	5	19	0	37	1	83	108
BLOCK 16	0	0	10	0	26	1	131	140
BLOCK 17	0	0	0	14	91	3	91	114
BLOCK 18	0	1	2	0	74	0	31	26
TOTAL	1343	2056	2465	1366	2189	1433	2221	1619

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 65): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453	1455	1456	1460
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	66	68	67	59	60	86	61	65	45	67	54	58
BLOCK 2	57	73	73	88	60	67	62	50	70	77	77	87
BLOCK 3	57	79	76	75	57	69	75	62	61	70	59	72
BLOCK 4	62	74	70	79	62	76	68	69	67	83	73	74
BLOCK 5	51	70	63	73	70	65	80	50	58	59	52	68
BLOCK 6	54	72	77	66	71	61	59	74	64	57	72	78
BLOCK 7	74	74	85	60	69	87	66	47	67	62	62	61
BLOCK 8	54	62	77	39	60	72	69	38	70	78	65	68
BLOCK 9	53	60	75	34	65	75	41	15	76	85	23	76
BLOCK 10	44	39	60	54	64	81	55	5	69	84	19	78
BLOCK 11	69	3	61	70	77	74	71	1	70	98	4	33
BLOCK 12	57	48	27	60	63	68	67	4	63	42	9	45
BLOCK 13	64	94	17	30	89	62	81	1	62	69	4	71
BLOCK 14	36	62	1	12	71	60	41	1	25	71	0	39
BLOCK 15	8	65	2	1	68	72	3	5	1	92	2	27
BLOCK 16	1	77	47	0	66	31	39	1	0	77	1	0
BLOCK 17	14	78	81	0	76	12	67	0	2	48	0	0
BLOCK 18	1	46	66	1	58	4	74	3	0	5	0	0
TOTAL	822	1144	1025	801	1206	1122	1079	491	870	1224	576	935

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 66): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1405	1406	1411	1412	1413	1418	1434	1446	1453	1455	1456	1460
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	204	224	206	220	241	204	202	186	249	218	255	181
BLOCK 2	160	178	184	207	248	184	217	208	184	192	226	182
BLOCK 3	152	193	169	118	225	186	143	121	175	205	223	161
BLOCK 4	146	157	150	123	198	156	147	116	135	178	202	159
BLOCK 5	107	127	121	120	186	123	112	78	142	199	226	130
BLOCK 6	156	158	146	67	234	123	182	136	171	219	160	115
BLOCK 7	139	147	140	71	213	185	140	55	156	135	131	106
BLOCK 8	99	71	145	31	215	140	111	47	91	93	114	101
BLOCK 9	72	141	88	30	148	150	48	5	137	106	15	99
BLOCK 10	67	44	65	44	163	155	86	0	113	156	10	72
BLOCK 11	127	1	69	113	191	150	151	0	167	96	1	27
BLOCK 12	94	75	39	72	170	111	191	0	56	47	6	50
BLOCK 13	125	110	21	34	174	156	142	0	36	174	1	212
BLOCK 14	36	60	0	5	123	100	51	0	12	175	0	37
BLOCK 15	4	58	1	0	195	148	0	4	0	161	0	39
BLOCK 16	0	126	47	0	126	26	41	0	0	120	0	0
BLOCK 17	7	120	151	0	128	13	125	0	0	55	0	0
BLOCK 18	0	37	104	0	85	0	82	3	0	8	0	0
TOTAL	1695	2027	1846	1255	3263	2310	2171	959	1824	2537	1570	1671

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 67): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1463	1469	1471	1475	1479	1482	1495	1500
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	72	61	59	61	64	55	69	56
BLOCK 2	66	70	70	68	59	65	77	63
BLOCK 3	78	76	62	69	62	64	78	62
BLOCK 4	61	65	52	53	74	51	73	61
BLOCK 5	58	71	73	71	74	59	79	35
BLOCK 6	60	90	61	69	74	70	82	4
BLOCK 7	54	74	42	70	63	70	18	18
BLOCK 8	63	77	47	59	76	68	64	9
BLOCK 9	84	63	44	73	88	66	79	2
BLOCK 10	61	67	63	63	76	79	66	6
BLOCK 11	57	84	61	65	48	55	8	0
BLOCK 12	45	55	50	68	72	67	27	1
BLOCK 13	25	56	59	23	57	79	11	4
BLOCK 14	1	58	67	0	56	60	10	76
BLOCK 15	0	68	57	27	32	66	77	51
BLOCK 16	0	49	49	6	1	26	52	22
BLOCK 17	0	1	42	3	18	2	63	0
BLOCK 18	0	2	64	1	69	21	61	1
TOTAL	785	1087	1022	849	1063	1023	994	471

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 68): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1463	1469	1471	1475	1479	1482	1495	1500
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	205	219	237	200	211	229	199	200
BLOCK 2	143	216	170	168	209	149	154	228
BLOCK 3	146	145	193	156	162	183	176	195
BLOCK 4	176	176	123	157	140	107	148	155
BLOCK 5	126	135	122	165	113	105	107	39
BLOCK 6	128	152	152	147	147	114	84	2
BLOCK 7	75	171	90	137	194	128	17	9
BLOCK 8	70	157	46	116	121	185	92	3
BLOCK 9	177	122	87	82	143	125	84	0
BLOCK 10	156	95	106	147	143	87	63	5
BLOCK 11	60	158	143	149	56	103	3	0
BLOCK 12	58	111	71	148	68	148	16	0
BLOCK 13	26	71	64	15	72	132	2	6
BLOCK 14	0	95	104	0	47	95	7	165
BLOCK 15	0	88	95	14	18	174	107	127
BLOCK 16	0	48	49	2	1	30	65	16
BLOCK 17	0	0	40	1	16	0	78	0
BLOCK 18	0	0	127	0	84	17	62	0
TOTAL	1546	2159	2019	1804	1945	2111	1464	1150

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 69): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435	1442	1444
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	71	68	59	62	69	65	46	58	57	52	64	52
BLOCK 2	71	67	60	73	67	73	55	65	67	56	60	67
BLOCK 3	67	65	58	57	83	69	58	66	72	61	72	64
BLOCK 4	61	72	65	58	67	78	56	65	76	56	48	58
BLOCK 5	50	70	88	77	73	61	70	58	71	48	52	58
BLOCK 6	44	79	58	73	51	68	61	57	70	75	21	65
BLOCK 7	49	59	74	65	22	47	52	60	61	59	49	81
BLOCK 8	60	57	52	40	73	50	64	52	69	61	50	63
BLOCK 9	46	42	27	1	63	74	68	56	73	25	32	56
BLOCK 10	10	66	44	43	74	53	77	52	4	2	6	57
BLOCK 11	4	67	34	63	34	40	50	44	0	21	0	62
BLOCK 12	1	77	38	54	14	66	40	66	10	0	1	69
BLOCK 13	2	59	11	43	32	42	17	62	0	0	1	66
BLOCK 14	1	78	16	47	2	14	2	46	25	0	15	41
BLOCK 15	6	70	30	74	1	36	1	45	53	4	1	47
BLOCK 16	0	69	4	58	1	29	4	47	79	0	1	53
BLOCK 17	0	62	16	69	9	5	15	33	37	6	1	10
BLOCK 18	0	77	56	77	0	8	32	65	0	6	0	1
TOTAL	543	1204	790	1034	735	878	768	997	824	532	474	970

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 70): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1403	1404	1409	1415	1416	1417	1421	1425	1430	1435	1442	1444
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	133	217	231	228	222	220	252	165	237	226	183	211
BLOCK 2	130	233	226	189	171	153	211	194	225	227	160	156
BLOCK 3	142	166	168	218	180	132	195	118	147	198	154	144
BLOCK 4	96	179	206	126	156	142	175	155	163	184	137	158
BLOCK 5	54	177	187	108	147	157	162	92	125	181	73	139
BLOCK 6	58	178	153	122	159	144	188	113	137	160	17	152
BLOCK 7	59	168	132	169	28	101	158	110	99	144	76	139
BLOCK 8	118	80	87	67	122	62	141	124	111	102	147	85
BLOCK 9	68	62	43	0	63	177	77	93	78	16	20	72
BLOCK 10	7	164	62	71	127	63	145	93	3	0	4	55
BLOCK 11	2	134	32	179	21	71	55	72	0	30	0	92
BLOCK 12	0	112	38	122	7	86	35	86	8	0	0	77
BLOCK 13	0	133	7	49	40	50	8	69	0	0	0	92
BLOCK 14	0	130	13	53	1	10	0	61	37	0	13	118
BLOCK 15	2	81	19	131	0	38	0	95	73	1	1	31
BLOCK 16	0	101	1	44	0	15	1	49	104	0	0	53
BLOCK 17	0	148	13	48	3	2	13	26	38	3	0	7
BLOCK 18	0	140	101	131	0	5	61	99	0	3	0	0
TOTAL	869	2603	1719	2055	1447	1628	1877	1814	1585	1475	985	1781

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 71): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1449	1454	1458	1461	1480	1491	1492	1499
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	87	52	56	71	64	74	62	56
BLOCK 2	66	58	75	63	54	69	66	55
BLOCK 3	44	67	71	79	72	61	58	69
BLOCK 4	29	59	70	66	60	74	63	72
BLOCK 5	2	66	69	70	86	83	69	76
BLOCK 6	31	69	68	63	76	77	63	62
BLOCK 7	0	75	27	75	74	79	41	57
BLOCK 8	0	52	19	69	76	68	26	55
BLOCK 9	0	71	1	78	59	69	61	72
BLOCK 10	0	57	0	88	51	65	29	1
BLOCK 11	1	64	0	18	69	65	17	7
BLOCK 12	4	62	0	3	80	74	1	11
BLOCK 13	0	58	1	76	62	65	6	1
BLOCK 14	0	48	11	70	60	57	0	5
BLOCK 15	5	27	1	75	51	81	1	6
BLOCK 16	10	0	3	48	63	73	0	6
BLOCK 17	57	0	7	7	67	37	8	1
BLOCK 18	45	0	8	7	56	42	0	6
TOTAL	381	885	487	1026	1180	1213	571	618

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 72): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1449	1454	1458	1461	1480	1491	1492	1499
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	132	239	222	230	161	191	224	255
BLOCK 2	139	179	202	157	183	205	172	233
BLOCK 3	47	155	170	181	125	154	129	173
BLOCK 4	26	124	164	175	100	137	137	172
BLOCK 5	1	204	179	191	101	144	137	162
BLOCK 6	19	141	137	140	126	151	122	114
BLOCK 7	0	151	23	162	92	149	42	67
BLOCK 8	0	144	14	133	111	130	17	61
BLOCK 9	0	124	0	146	79	100	90	122
BLOCK 10	0	114	0	195	85	131	38	1
BLOCK 11	0	85	0	21	107	203	14	8
BLOCK 12	2	216	0	0	112	95	0	15
BLOCK 13	0	84	0	153	58	87	2	0
BLOCK 14	0	46	6	144	69	173	0	2
BLOCK 15	2	23	0	103	63	128	0	5
BLOCK 16	3	0	1	43	74	132	0	2
BLOCK 17	61	0	6	4	59	38	5	0
BLOCK 18	41	0	6	4	61	65	0	1
TOTAL	473	2029	1130	2182	1766	2413	1129	1393

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 73): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438	1439	1445	1451
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	68	62	77	58	70	58	59	52	60	67	72	75
BLOCK 2	71	67	63	48	63	60	77	51	61	84	60	71
BLOCK 3	72	65	63	42	66	70	80	65	63	60	68	65
BLOCK 4	61	79	67	47	54	71	75	53	61	66	84	78
BLOCK 5	61	74	83	58	61	57	77	68	92	68	59	79
BLOCK 6	67	77	61	64	62	66	70	78	87	74	57	71
BLOCK 7	50	70	75	59	50	69	86	65	84	49	62	47
BLOCK 8	68	66	74	50	49	56	57	57	55	56	44	64
BLOCK 9	78	83	60	54	46	73	14	73	73	76	53	8
BLOCK 10	64	90	74	74	48	72	3	69	65	71	24	30
BLOCK 11	80	84	62	73	51	53	0	64	57	31	10	0
BLOCK 12	66	43	81	69	51	53	5	69	58	1	4	5
BLOCK 13	59	42	29	72	35	28	1	77	24	0	23	10
BLOCK 14	67	11	9	61	0	4	8	77	11	32	0	0
BLOCK 15	80	0	0	57	1	9	0	53	1	65	1	0
BLOCK 16	73	8	3	32	0	0	1	51	5	65	0	0
BLOCK 17	86	14	1	79	3	0	43	45	1	68	1	0
BLOCK 18	60	5	1	67	2	3	1	36	0	85	2	1
TOTAL	1231	940	883	1064	712	802	657	1103	858	1018	624	604

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 74): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1401	1407	1414	1419	1426	1429	1432	1433	1438	1439	1445	1451
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	221	246	208	223	197	173	206	213	220	215	181	214
BLOCK 2	216	180	206	264	190	157	184	176	162	178	156	129
BLOCK 3	189	187	168	239	155	135	148	141	153	176	151	118
BLOCK 4	172	141	135	187	81	130	133	155	103	145	159	149
BLOCK 5	101	179	156	208	84	117	133	158	128	170	103	90
BLOCK 6	153	129	94	138	99	110	203	158	117	184	137	173
BLOCK 7	85	140	139	192	116	133	143	134	98	122	117	58
BLOCK 8	103	186	105	89	74	109	59	159	79	61	90	88
BLOCK 9	114	143	86	119	37	133	30	118	178	128	53	2
BLOCK 10	206	110	80	173	49	125	0	161	87	113	11	25
BLOCK 11	119	102	103	154	66	63	0	90	58	28	3	0
BLOCK 12	98	62	123	158	112	56	1	81	60	0	1	1
BLOCK 13	55	35	40	137	19	37	0	95	14	0	9	8
BLOCK 14	89	6	4	103	0	1	7	93	6	34	0	0
BLOCK 15	156	0	0	138	0	5	0	112	0	77	0	0
BLOCK 16	143	6	0	42	0	0	0	70	3	165	0	0
BLOCK 17	102	9	1	97	2	0	72	42	0	183	0	0
BLOCK 18	84	3	0	159	1	1	0	34	0	109	0	0
TOTAL	2406	1864	1648	2820	1282	1485	1319	2190	1466	2088	1171	1055

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 75): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1459	1464	1465	1474	1476	1483	1487	1497
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	58	59	60	55	63	72	72	71
BLOCK 2	65	68	63	69	58	68	81	64
BLOCK 3	60	69	64	76	69	73	67	60
BLOCK 4	73	75	72	70	74	54	69	66
BLOCK 5	80	66	76	69	59	43	67	44
BLOCK 6	65	72	54	52	68	27	68	66
BLOCK 7	71	83	50	62	54	30	78	24
BLOCK 8	65	56	56	64	64	11	75	33
BLOCK 9	54	6	56	63	77	12	26	70
BLOCK 10	65	36	31	64	36	77	4	85
BLOCK 11	72	9	40	66	26	76	8	49
BLOCK 12	66	2	20	66	1	43	3	61
BLOCK 13	34	1	35	62	0	12	0	22
BLOCK 14	4	0	59	61	1	61	6	4
BLOCK 15	0	0	50	90	19	45	0	5
BLOCK 16	2	0	4	72	66	35	0	0
BLOCK 17	0	0	6	72	47	8	1	0
BLOCK 18	0	1	1	66	13	52	0	0
TOTAL	834	603	797	1199	795	799	625	724

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 76): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1459	1464	1465	1474	1476	1483	1487	1497
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	228	232	219	245	205	221	181	169
BLOCK 2	216	202	183	214	100	215	156	145
BLOCK 3	225	156	177	144	123	159	142	78
BLOCK 4	160	141	129	119	96	95	100	153
BLOCK 5	175	120	136	136	136	35	72	45
BLOCK 6	90	120	93	140	70	27	99	93
BLOCK 7	168	136	173	170	83	22	155	31
BLOCK 8	129	83	125	152	67	4	122	15
BLOCK 9	90	2	132	118	63	3	20	97
BLOCK 10	76	70	40	101	24	94	0	160
BLOCK 11	194	5	40	97	17	109	3	70
BLOCK 12	123	0	18	171	0	38	0	50
BLOCK 13	28	0	23	98	0	11	0	13
BLOCK 14	3	0	114	60	0	45	2	1
BLOCK 15	0	0	107	137	17	30	0	2
BLOCK 16	0	0	4	132	106	35	0	0
BLOCK 17	0	0	4	155	60	4	1	0
BLOCK 18	0	0	0	67	8	45	0	0
TOTAL	1905	1267	1717	2456	1175	1192	1053	1122

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 77): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441	1443	1448	1452
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	60	53	61	73	70	51	49	73	65	58	63	66
BLOCK 2	70	69	62	63	68	62	67	74	63	73	80	66
BLOCK 3	62	70	72	65	69	57	55	66	65	65	73	73
BLOCK 4	64	75	72	73	59	65	64	72	74	79	57	72
BLOCK 5	76	61	78	76	57	60	58	90	74	85	82	74
BLOCK 6	47	72	83	64	61	78	43	65	80	76	78	81
BLOCK 7	64	53	58	68	69	74	81	79	75	73	72	69
BLOCK 8	49	69	52	69	49	61	67	69	74	86	71	60
BLOCK 9	66	75	60	73	32	37	47	56	72	72	73	58
BLOCK 10	69	76	61	51	64	30	57	63	58	58	66	53
BLOCK 11	59	75	70	70	56	2	65	66	81	97	70	85
BLOCK 12	55	87	59	67	59	2	78	53	73	61	77	61
BLOCK 13	66	72	57	72	22	1	53	50	75	84	74	21
BLOCK 14	51	88	66	77	69	42	52	64	70	61	79	2
BLOCK 15	53	77	76	40	25	51	50	92	69	3	18	0
BLOCK 16	50	64	59	22	12	27	12	59	76	69	3	1
BLOCK 17	29	78	74	5	32	0	15	4	68	63	51	1
BLOCK 18	58	68	38	0	0	0	30	3	43	73	73	1
TOTAL	1048	1282	1158	1028	873	700	943	1098	1255	1236	1160	844

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 78): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1410	1420	1423	1424	1427	1428	1437	1440	1441	1443	1448	1452
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	228	260	232	196	177	246	267	214	242	233	192	231
BLOCK 2	184	189	196	194	164	167	208	189	237	206	151	211
BLOCK 3	188	139	181	171	145	138	185	188	173	168	165	196
BLOCK 4	187	158	194	150	140	142	169	110	182	164	172	186
BLOCK 5	184	139	183	157	102	163	113	139	164	187	143	122
BLOCK 6	134	174	166	159	131	147	56	163	180	193	110	152
BLOCK 7	194	216	137	165	79	121	127	115	158	154	104	143
BLOCK 8	108	102	110	138	51	74	157	101	148	166	99	110
BLOCK 9	130	144	156	110	25	31	100	144	183	183	81	240
BLOCK 10	110	128	162	123	89	41	92	91	149	222	123	123
BLOCK 11	102	148	136	163	133	0	125	54	141	149	104	108
BLOCK 12	92	119	157	111	67	0	124	44	90	143	118	71
BLOCK 13	141	119	120	110	13	0	97	69	107	115	113	14
BLOCK 14	126	164	180	170	84	55	59	93	136	65	87	0
BLOCK 15	82	121	172	42	21	88	50	115	126	0	15	0
BLOCK 16	167	106	125	16	7	18	14	59	116	131	2	0
BLOCK 17	29	136	112	3	47	0	12	0	91	148	40	1
BLOCK 18	105	208	32	0	0	0	33	0	93	186	117	0
TOTAL	2491	2770	2751	2178	1475	1431	1988	1888	2716	2813	1936	1908

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 79): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1466	1473	1478	1484	1488	1489	1493	1498
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	58	61	65	67	73	45	65	68
BLOCK 2	68	67	66	70	57	63	62	70
BLOCK 3	63	64	67	72	61	53	71	66
BLOCK 4	68	54	70	71	65	71	51	61
BLOCK 5	59	59	61	55	63	61	64	64
BLOCK 6	63	62	68	68	57	61	58	69
BLOCK 7	61	68	43	42	56	79	64	57
BLOCK 8	68	65	14	26	56	76	53	77
BLOCK 9	65	66	3	4	44	76	71	56
BLOCK 10	67	57	6	6	30	72	45	70
BLOCK 11	64	45	1	1	60	69	4	69
BLOCK 12	1	64	0	1	59	58	6	62
BLOCK 13	0	55	2	8	10	59	0	19
BLOCK 14	4	40	0	0	45	65	0	2
BLOCK 15	0	46	0	0	49	71	1	27
BLOCK 16	8	81	0	2	73	54	12	53
BLOCK 17	1	32	0	3	67	73	59	60
BLOCK 18	59	29	0	2	30	87	76	62
TOTAL	777	1015	466	498	955	1193	762	1012

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F7 (PAGE 80): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1466	1473	1478	1484	1488	1489	1493	1498
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	235	232	212	186	190	263	229	223
BLOCK 2	199	142	165	141	158	209	233	242
BLOCK 3	207	142	163	157	155	231	208	154
BLOCK 4	174	197	165	133	90	176	176	128
BLOCK 5	147	129	83	209	111	123	171	143
BLOCK 6	149	141	74	81	80	157	161	132
BLOCK 7	197	95	27	45	85	175	187	63
BLOCK 8	148	139	3	31	101	150	70	61
BLOCK 9	156	69	0	0	52	169	77	68
BLOCK 10	71	79	6	3	26	206	49	77
BLOCK 11	97	63	0	0	72	171	1	124
BLOCK 12	1	163	0	0	106	204	1	64
BLOCK 13	0	66	1	4	14	226	0	13
BLOCK 14	2	53	0	0	48	198	0	0
BLOCK 15	0	46	0	0	90	162	0	22
BLOCK 16	4	99	0	0	156	185	9	64
BLOCK 17	0	24	0	1	110	136	101	106
BLOCK 18	95	14	0	2	35	160	166	85
TOTAL	1882	1893	899	993	1679	3301	1839	1769

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 1): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	45	1	33	34	0	32	2	34	26
BLOCK 2	58	5	58	17	0	71	5	45	43
BLOCK 3	4	43	62	6	5	37	0	67	57
BLOCK 4	4	46	29	0	0	65	0	64	51
BLOCK 5	39	42	6	5	0	2	7	40	48
BLOCK 6	65	38	7	1	0	4	19	56	3
BLOCK 7	33	10	3	1	1	2	27	33	20
BLOCK 8	2	8	5	0	1	0	16	1	72
BLOCK 9	0	1	4	0	3	0	6	0	45
BLOCK 10	1	4	8	1	2	3	5	1	22
BLOCK 11	1	3	0	0	3	2	3	2	43
BLOCK 12	1	0	5	0	0	1	5	0	5
BLOCK 13	1	7	8	3	8	2	2	2	13
BLOCK 14	1	4	22	8	4	0	4	2	1
BLOCK 15	1	0	56	0	3	1	3	1	1
BLOCK 16	0	3	50	2	0	5	2	8	3
BLOCK 17	0	5	10	3	1	3	2	4	1
BLOCK 18	0	4	6	19	0	0	0	7	1
TOTAL	256	224	372	100	31	230	230	367	455

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 2): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY								
RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	32	0	44	21	0	60	1	17	9
BLOCK 2	48	5	55	14	0	114	0	35	33
BLOCK 3	4	47	53	2	3	52	0	70	51
BLOCK 4	0	37	37	0	0	83	0	64	44
BLOCK 5	31	32	1	2	0	1	2	47	34
BLOCK 6	60	36	3	0	0	2	11	52	0
BLOCK 7	36	5	1	0	0	0	11	33	12
BLOCK 8	0	4	2	0	0	0	11	0	77
BLOCK 9	0	0	1	0	1	0	1	0	51
BLOCK 10	0	1	3	0	0	1	1	0	14
BLOCK 11	0	1	0	0	1	0	0	0	27
BLOCK 12	0	0	0	0	0	0	2	0	3
BLOCK 13	0	1	3	0	0	0	0	0	3
BLOCK 14	0	1	16	1	0	0	0	0	0
BLOCK 15	0	0	55	0	1	0	0	0	0
BLOCK 16	0	0	56	0	0	2	0	1	0
BLOCK 17	0	1	16	0	0	2	0	1	0
BLOCK 18	0	1	2	7	0	0	1	2	0
TOTAL	211	172	348	47	6	317	41	322	358

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 3): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 1	0 (CARRIER) MG/KG/DAY										
RAT NUMBER	1767	1768	1770	1772	1777	1781	1785	1786	1790	1794	1796
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	14	60	44	47	70	42	93	61	30	6	19
BLOCK 2	9	82	62	60	60	26	93	59	57	42	5
BLOCK 3	11	90	31	63	30	0	79	77	73	17	3
BLOCK 4	26	74	45	45	65	9	89	48	39	6	38
BLOCK 5	4	88	0	45	67	4	78	44	21	43	26
BLOCK 6	4	66	3	33	38	15	69	64	0	33	6
BLOCK 7	4	45	8	8	57	15	73	34	25	0	3
BLOCK 8	16	61	10	1	58	3	1	62	71	1	3
BLOCK 9	7	70	3	1	54	10	7	49	85	6	0
BLOCK 10	8	90	3	2	41	5	3	77	68	3	14
BLOCK 11	8	59	0	1	25	3	2	44	69	5	5
BLOCK 12	9	85	1	4	69	8	1	29	55	2	4
BLOCK 13	7	87	1	4	41	5	7	70	47	3	20
BLOCK 14	15	1	6	6	9	30	16	41	7	0	0
BLOCK 15	6	45	4	3	0	6	11	55	73	1	1
BLOCK 16	3	77	2	3	3	3	3	52	71	1	3
BLOCK 17	15	83	2	1	0	5	7	37	91	6	0
BLOCK 18	7	64	0	5	0	3	3	44	87	6	4
TOTAL	173	1227	225	332	687	192	635	947	969	181	154

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 4): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY										
RAT NUMBER	1767	1768	1770	1772	1777	1781	1785	1786	1790	1794	1796
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	10	83	60	51	118	30	127	51	16	4	9
BLOCK 2	4	100	57	58	123	21	85	59	35	23	5
BLOCK 3	8	99	22	74	64	0	86	81	68	17	3
BLOCK 4	17	81	39	65	87	4	97	44	28	1	32
BLOCK 5	0	89	0	40	130	1	93	57	10	40	18
BLOCK 6	3	59	1	29	39	7	66	86	0	32	3
BLOCK 7	2	49	1	6	152	8	68	42	20	0	1
BLOCK 8	10	65	7	1	116	1	0	78	61	0	2
BLOCK 9	6	98	1	1	139	2	1	55	113	2	0
BLOCK 10	3	109	0	1	78	1	0	115	96	0	7
BLOCK 11	5	75	0	0	55	0	0	60	107	1	4
BLOCK 12	7	104	0	1	129	5	0	48	65	0	0
BLOCK 13	2	107	0	2	94	0	0	108	55	0	12
BLOCK 14	13	1	2	2	5	13	6	70	6	0	0
BLOCK 15	1	43	1	1	0	4	3	95	90	0	1
BLOCK 16	1	102	0	0	0	0	0	87	97	0	0
BLOCK 17	6	106	0	0	0	1	2	49	147	3	0
BLOCK 18	4	76	0	2	0	0	1	72	145	2	0
TOTAL	102	1446	191	334	1329	98	635	1257	1159	125	97

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 5): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY								
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753a
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	26	17	21	12	9	60	40	23	9
BLOCK 2	49	0	63	7	41	79	38	29	11
BLOCK 3	46	22	66	0	36	72	50	0	10
BLOCK 4	50	12	36	0	16	86	39	0	10
BLOCK 5	39	0	2	4	0	46	1	27	8
BLOCK 6	54	1	22	1	28	56	2	0	10
BLOCK 7	17	3	6	1	22	76	33	0	10
BLOCK 8	12	3	2	0	33	15	64	0	10
BLOCK 9	59	4	0	0	1	0	43	0	10
BLOCK 10	58	2	0	2	6	10	3	0	10
BLOCK 11	51	2	1	0	4	2	7	0	10
BLOCK 12	6	3	2	1	1	4	39	0	10
BLOCK 13	2	8	0	0	10	3	28	0	10
BLOCK 14	2	1	5	0	2	3	3	0	10
BLOCK 15	2	0	0	0	5	3	5	0	10
BLOCK 16	8	0	0	0	7	0	6	0	10
BLOCK 17	2	3	1	2	6	4	22	0	3
BLOCK 18	4	0	0	0	12	6	3	0	9
TOTAL	487	81	227	30	239	525	426	79	170

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
a. Values were incorrectly recorded; excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 6): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY								
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753a
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	51	7	17	3	8	42	21	20	253
BLOCK 2	101	0	71	1	35	67	16	20	290
BLOCK 3	69	8	84	0	24	99	30	0	300
BLOCK 4	107	4	27	0	15	109	26	0	300
BLOCK 5	68	0	0	1	0	68	0	34	216
BLOCK 6	93	0	16	0	20	79	0	0	294
BLOCK 7	18	1	1	0	13	118	25	0	300
BLOCK 8	8	1	0	0	21	10	38	0	300
BLOCK 9	91	0	0	0	0	0	26	0	300
BLOCK 10	114	0	0	0	0	2	1	0	300
BLOCK 11	90	0	0	0	1	0	1	0	300
BLOCK 12	1	0	0	0	0	0	20	0	300
BLOCK 13	0	2	0	0	3	0	13	0	300
BLOCK 14	0	0	0	0	1	0	0	0	300
BLOCK 15	2	0	0	0	1	1	0	0	300
BLOCK 16	7	0	0	0	2	0	1	0	300
BLOCK 17	2	1	0	0	5	0	14	0	70
BLOCK 18	0	0	0	0	8	2	0	0	268
TOTAL	822	24	216	5	157	597	232	74	4991

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
a. Values were incorrectly recorded; excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 7): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY										
RAT NUMBER	1755	1756	1760	1763	1769	1771	1775	1779	1782	1795	1800
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	20	43	74	2	1	38	24	9	79	6	10
BLOCK 2	22	65	59	17	0	32	37	21	58	18	15
BLOCK 3	42	14	44	32	7	31	39	33	49	44	3
BLOCK 4	67	4	14	55	23	14	52	44	75	45	5
BLOCK 5	48	0	1	55	30	1	0	30	59	25	10
BLOCK 6	35	23	0	0	45	3	27	55	57	0	1
BLOCK 7	14	7	1	49	1	1	67	10	79	6	5
BLOCK 8	66	26	2	81	0	7	40	4	47	0	4
BLOCK 9	25	15	10	52	2	5	1	24	0	5	8
BLOCK 10	3	4	3	65	1	5	0	56	1	9	4
BLOCK 11	25	0	6	16	0	3	1	10	2	0	2
BLOCK 12	45	3	19	76	0	6	1	1	46	3	0
BLOCK 13	45	2	46	59	1	8	5	1	59	2	1
BLOCK 14	10	0	10	46	2	12	3	0	75	2	1
BLOCK 15	5	3	8	67	0	8	6	0	67	0	1
BLOCK 16	2	2	54	51	2	4	1	3	38	1	3
BLOCK 17	2	3	5	4	3	2	5	0	82	6	19
BLOCK 18	5	0	33	6	8	2	2	1	72	1	12
TOTAL	481	214	389	733	126	182	311	302	945	173	104

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 8): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY										
RAT NUMBER	1755	1756	1760	1763	1769	1771	1775	1779	1782	1795	1800
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	16	40	71	0	0	22	17	3	158	2	5
BLOCK 2	12	63	56	11	0	18	23	11	115	12	7
BLOCK 3	31	16	31	19	1	14	31	14	49	49	1
BLOCK 4	73	1	6	73	14	3	58	27	121	37	0
BLOCK 5	62	0	0	63	22	0	0	20	112	20	4
BLOCK 6	50	16	0	0	45	0	13	36	70	0	0
BLOCK 7	16	2	0	53	0	0	76	5	115	2	1
BLOCK 8	102	29	2	113	0	1	38	1	108	0	0
BLOCK 9	42	13	1	41	0	0	0	20	0	0	2
BLOCK 10	0	0	1	86	0	2	0	59	0	5	1
BLOCK 11	32	0	1	12	0	0	0	9	0	0	0
BLOCK 12	72	0	11	112	0	1	0	0	65	1	0
BLOCK 13	46	0	48	65	0	2	1	0	109	0	0
BLOCK 14	7	0	4	43	0	3	1	0	146	1	0
BLOCK 15	0	0	2	120	0	3	2	0	206	0	0
BLOCK 16	0	1	44	98	1	3	1	1	55	0	2
BLOCK 17	0	0	1	1	1	0	2	0	166	3	13
BLOCK 18	1	0	22	2	0	1	1	0	149	0	8
TOTAL	562	181	301	912	84	73	264	206	1744	132	44

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 9): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735
DAY 14 POSTPARTUM:										
NUMBER OF MOVEMENTS										
BLOCK 1	26	1	17	7	1	48	56	15	29	44
BLOCK 2	2	0	0	28	17	52	7	3	38	25
BLOCK 3	1	0	0	55	13	48	60	16	37	0
BLOCK 4	1	1	4	48	21	52	45	52	37	6
BLOCK 5	2	1	2	22	0	64	2	11	5	19
BLOCK 6	0	0	3	0	0	5	13	8	40	24
BLOCK 7	2	5	1	18	16	63	40	1	65	0
BLOCK 8	1	7	2	58	19	86	10	2	26	2
BLOCK 9	1	2	1	5	2	35	1	5	1	6
BLOCK 10	3	0	1	20	2	5	0	4	5	3
BLOCK 11	1	1	8	53	0	36	0	7	4	0
BLOCK 12	1	0	3	10	2	52	0	0	2	0
BLOCK 13	1	3	1	6	4	91	0	3	1	1
BLOCK 14	3	1	14	5	0	62	0	8	0	2
BLOCK 15	1	0	3	0	2	57	0	0	0	1
BLOCK 16	2	3	9	4	1	1	1	5	0	10
BLOCK 17	1	0	42	5	3	71	0	32	2	2
BLOCK 18	3	13	52	3	2	52	0	56	4	0
TOTAL	52	38	163	347	105	880	235	228	296	145

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 10): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735
DAY 14 POSTPARTUM:										
TIME (SECONDS) SPENT IN MOVEMENT										
BLOCK 1	18	0	6	3	0	40	59	14	25	35
BLOCK 2	0	0	0	28	25	61	2	0	33	11
BLOCK 3	0	0	0	50	7	40	52	10	27	0
BLOCK 4	0	0	1	44	19	73	37	36	22	3
BLOCK 5	0	0	0	22	0	78	0	7	2	12
BLOCK 6	0	0	0	0	0	2	10	6	23	10
BLOCK 7	0	1	0	7	13	70	32	0	67	0
BLOCK 8	0	2	1	54	13	84	6	0	25	0
BLOCK 9	0	1	0	2	0	43	0	0	0	2
BLOCK 10	0	0	0	12	1	1	0	0	1	0
BLOCK 11	0	0	1	54	0	43	0	1	0	0
BLOCK 12	0	0	0	3	0	52	0	0	1	0
BLOCK 13	0	0	0	1	1	147	0	0	0	0
BLOCK 14	0	0	5	1	0	110	0	2	0	0
BLOCK 15	0	0	2	0	0	77	0	0	0	1
BLOCK 16	2	0	3	0	0	0	0	3	0	5
BLOCK 17	0	0	29	2	1	109	0	17	0	0
BLOCK 18	0	4	33	1	0	86	0	58	0	0
TOTAL	20	8	81	284	80	1116	198	154	226	79

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 11): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1742	1744	1749	1754	1758	1761	1780	1791	1792	1799
DAY 14 POSTPARTUM:										
NUMBER OF MOVEMENTS										
BLOCK 1	1	10	1	11	30	16	29	49	0	65
BLOCK 2	0	7	5	4	31	20	72	65	4	69
BLOCK 3	0	23	0	27	21	24	50	62	1	80
BLOCK 4	0	43	0	15	1	22	84	81	0	82
BLOCK 5	0	57	20	1	5	0	57	67	6	65
BLOCK 6	0	2	22	20	2	2	53	52	1	74
BLOCK 7	0	4	9	40	0	0	17	19	0	74
BLOCK 8	1	4	1	38	3	1	58	0	0	43
BLOCK 9	0	2	3	41	4	1	5	1	0	54
BLOCK 10	0	9	2	31	5	7	0	16	2	60
BLOCK 11	0	2	0	1	12	1	1	85	1	76
BLOCK 12	0	6	1	3	2	0	3	72	1	66
BLOCK 13	0	1	3	2	11	1	0	54	2	27
BLOCK 14	0	9	1	2	23	0	1	91	0	61
BLOCK 15	0	8	0	0	55	2	0	84	0	8
BLOCK 16	0	7	0	6	69	4	1	87	0	12
BLOCK 17	0	10	1	3	95	3	1	63	5	8
BLOCK 18	0	2	3	0	80	0	5	90	16	3
TOTAL	2	206	72	245	449	104	437	1038	39	927

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 12): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY									
RAT NUMBER	1742	1744	1749	1754	1758	1761	1780	1791	1792	1799
DAY 14 POSTPARTUM:										
TIME (SECONDS) SPENT IN MOVEMENT										
BLOCK 1	0	4	0	6	17	15	16	40	0	63
BLOCK 2	0	3	1	0	21	7	87	59	0	80
BLOCK 3	0	6	0	15	16	13	70	72	0	102
BLOCK 4	0	36	0	8	0	12	93	123	0	115
BLOCK 5	0	43	2	0	1	0	75	99	4	64
BLOCK 6	0	0	6	10	1	0	70	55	0	91
BLOCK 7	0	1	3	20	0	0	9	22	0	111
BLOCK 8	0	1	0	27	0	1	63	0	0	50
BLOCK 9	0	0	1	26	0	0	0	0	0	76
BLOCK 10	0	5	0	17	5	4	0	7	0	61
BLOCK 11	0	0	0	0	3	0	0	117	0	106
BLOCK 12	0	0	0	0	0	0	0	123	0	113
BLOCK 13	0	0	0	0	3	0	0	68	0	25
BLOCK 14	0	3	0	0	11	0	0	127	0	79
BLOCK 15	0	3	0	0	37	1	0	94	0	6
BLOCK 16	0	2	0	0	52	1	0	141	0	4
BLOCK 17	0	4	0	1	106	1	0	97	2	9
BLOCK 18	0	0	0	0	120	0	1	111	17	0
TOTAL	0	111	13	130	393	55	484	1355	23	1155

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 13): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY								
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	4	31	67	55	41	23	29	53	28
BLOCK 2	0	41	88	6	68	34	17	61	24
BLOCK 3	2	8	64	61	67	57	54	17	2
BLOCK 4	2	0	80	60	49	2	69	1	3
BLOCK 5	1	0	70	64	42	1	54	5	3
BLOCK 6	13	3	45	48	2	31	53	5	0
BLOCK 7	17	9	64	7	0	44	66	3	6
BLOCK 8	22	9	32	0	50	65	65	1	4
BLOCK 9	29	0	34	3	70	7	18	4	5
BLOCK 10	6	1	2	64	44	2	1	12	9
BLOCK 11	47	1	2	89	8	2	1	8	1
BLOCK 12	62	1	7	59	7	5	50	2	54
BLOCK 13	55	0	2	83	10	4	74	8	41
BLOCK 14	1	0	2	56	1	7	16	10	43
BLOCK 15	2	0	2	7	2	5	59	9	27
BLOCK 16	4	5	6	2	8	1	13	5	3
BLOCK 17	1	3	2	5	6	2	13	4	1
BLOCK 18	2	0	4	0	1	1	65	8	1
TOTAL	270	112	573	669	476	293	717	216	255

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 14): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY								
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	0	11	77	53	33	16	29	48	7
BLOCK 2	0	19	103	6	48	23	11	39	13
BLOCK 3	3	4	94	40	83	37	96	7	2
BLOCK 4	1	0	119	55	56	1	113	0	0
BLOCK 5	0	0	132	59	57	0	65	1	0
BLOCK 6	2	0	62	56	0	23	100	2	0
BLOCK 7	5	1	91	4	0	31	110	0	3
BLOCK 8	8	1	36	0	73	61	118	0	0
BLOCK 9	17	0	34	2	180	2	31	0	3
BLOCK 10	3	0	0	59	55	0	0	3	2
BLOCK 11	23	1	1	104	1	1	0	0	0
BLOCK 12	58	0	1	62	1	1	94	0	39
BLOCK 13	43	0	0	99	4	0	99	4	28
BLOCK 14	0	0	0	74	0	2	13	2	26
BLOCK 15	1	0	0	3	0	1	89	1	19
BLOCK 16	2	1	3	0	5	0	19	1	1
BLOCK 17	0	1	0	1	1	0	22	1	0
BLOCK 18	0	0	1	0	0	0	103	1	0
TOTAL	166	39	754	677	597	199	1112	110	143

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 15): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY										
RAT NUMBER	1739	1745	1751	1759	1764	1765	1774	1776	1783	1787	1797
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	0	26	47	49	52	0	17	6	10	30	13
BLOCK 2	0	34	43	26	48	0	13	4	28	11	17
BLOCK 3	3	24	48	35	36	0	25	25	4	11	3
BLOCK 4	3	15	60	22	31	0	20	5	49	9	0
BLOCK 5	22	0	46	16	13	0	1	1	43	1	4
BLOCK 6	25	0	32	25	2	0	16	10	46	2	24
BLOCK 7	0	3	62	4	29	0	43	10	27	4	58
BLOCK 8	4	5	61	32	7	0	69	38	1	16	23
BLOCK 9	5	1	83	1	5	0	1	41	1	0	19
BLOCK 10	0	0	21	4	3	2	1	29	1	1	37
BLOCK 11	0	1	0	1	6	2	4	28	4	3	52
BLOCK 12	2	1	55	0	1	0	5	27	1	19	4
BLOCK 13	11	1	70	4	5	0	7	16	2	6	20
BLOCK 14	0	8	59	0	7	1	0	47	4	0	25
BLOCK 15	1	6	91	3	3	0	7	5	3	1	5
BLOCK 16	0	0	87	4	4	1	4	0	0	3	0
BLOCK 17	0	4	75	2	7	0	3	0	4	1	0
BLOCK 18	0	2	12	5	23	0	1	1	1	1	3
TOTAL	76	131	952	233	282	6	237	293	229	119	307

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 16): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY										
RAT NUMBER	1739	1745	1751	1759	1764	1765	1774	1776	1783	1787	1797
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	0	9	46	40	43	0	12	2	3	24	6
BLOCK 2	0	17	40	18	38	0	7	1	15	3	8
BLOCK 3	0	22	49	23	24	0	12	15	0	8	1
BLOCK 4	1	8	70	12	18	0	11	2	28	5	0
BLOCK 5	15	0	52	5	2	0	0	0	23	0	0
BLOCK 6	22	0	39	18	0	0	8	8	32	0	10
BLOCK 7	0	0	75	4	20	0	22	4	13	0	43
BLOCK 8	0	0	75	15	3	0	46	35	0	5	14
BLOCK 9	1	0	107	0	3	0	0	28	0	0	11
BLOCK 10	0	0	28	0	0	0	0	21	0	0	28
BLOCK 11	0	0	0	0	2	0	0	23	0	1	41
BLOCK 12	1	0	104	0	0	0	1	21	0	11	1
BLOCK 13	8	0	137	1	2	0	1	9	0	7	12
BLOCK 14	0	0	77	0	2	0	0	46	1	0	6
BLOCK 15	0	2	150	0	1	0	0	7	1	0	2
BLOCK 16	0	0	118	2	1	0	2	0	0	0	0
BLOCK 17	0	0	115	0	2	0	1	0	0	0	0
BLOCK 18	0	0	14	2	10	0	0	0	0	0	0
TOTAL	48	58	1296	140	171	0	123	222	116	64	183

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 17): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY								
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741
DAY 14 POSTPARTUM:									
NUMBER OF MOVEMENTS									
BLOCK 1	46	6	8	26	14	0	63	12	3
BLOCK 2	80	6	35	53	12	0	60	4	0
BLOCK 3	75	1	44	76	14	0	1	0	0
BLOCK 4	73	0	43	73	23	0	0	10	0
BLOCK 5	84	1	7	11	17	0	1	8	0
BLOCK 6	54	0	59	49	15	8	1	19	24
BLOCK 7	53	3	26	2	17	48	2	41	51
BLOCK 8	76	2	3	6	7	22	6	1	68
BLOCK 9	3	0	7	2	11	6	5	1	65
BLOCK 10	2	0	2	2	0	2	13	1	72
BLOCK 11	40	2	4	2	0	4	15	0	42
BLOCK 12	89	1	2	5	0	3	0	2	69
BLOCK 13	38	13	1	4	0	2	2	0	14
BLOCK 14	39	2	3	3	4	3	7	3	4
BLOCK 15	63	4	2	5	54	2	0	1	3
BLOCK 16	76	1	2	0	59	3	3	3	11
BLOCK 17	37	0	4	15	23	8	0	2	5
BLOCK 18	5	0	2	24	21	2	0	0	0
TOTAL	933	42	254	358	291	113	179	108	431

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 18): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY								
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741
DAY 14 POSTPARTUM:									
TIME (SECONDS) SPENT IN MOVEMENT									
BLOCK 1	27	2	10	14	7	0	42	4	1
BLOCK 2	65	1	26	29	5	0	34	1	0
BLOCK 3	78	0	38	75	5	0	0	0	0
BLOCK 4	102	0	29	71	11	0	0	4	0
BLOCK 5	121	0	2	3	13	0	0	0	0
BLOCK 6	56	0	48	36	13	2	0	4	12
BLOCK 7	57	0	16	0	15	32	0	22	63
BLOCK 8	102	0	0	0	2	14	1	0	86
BLOCK 9	0	0	1	1	11	3	0	0	90
BLOCK 10	0	0	1	0	0	0	5	1	83
BLOCK 11	50	0	1	1	0	2	7	0	49
BLOCK 12	113	0	1	0	0	0	0	0	66
BLOCK 13	49	4	0	0	0	0	0	0	16
BLOCK 14	48	0	0	0	3	1	2	0	2
BLOCK 15	107	1	0	1	53	1	0	0	1
BLOCK 16	131	0	0	0	62	1	0	0	5
BLOCK 17	37	0	1	7	21	2	0	1	6
BLOCK 18	2	0	0	8	18	0	0	0	0
TOTAL	1145	8	174	246	239	58	91	37	480

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 19): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY										
RAT NUMBER	1743	1748	1752	1766	1773	1778	1784	1788	1789	1793	1798
DAY 14 POSTPARTUM:											
NUMBER OF MOVEMENTS											
BLOCK 1	32	31	27	12	15	36	17	0	27	15	55
BLOCK 2	53	42	48	16	1	61	42	5	68	1	75
BLOCK 3	4	25	51	30	1	80	31	0	64	0	85
BLOCK 4	0	19	56	55	1	69	73	0	31	8	86
BLOCK 5	39	38	56	18	0	97	16	0	64	10	76
BLOCK 6	74	16	1	2	0	90	5	2	48	27	65
BLOCK 7	52	0	4	27	0	7	7	1	1	27	3
BLOCK 8	40	1	50	15	4	2	9	1	22	5	1
BLOCK 9	1	1	51	4	7	2	3	15	63	7	54
BLOCK 10	9	0	54	4	46	11	3	44	69	0	80
BLOCK 11	0	3	19	1	50	40	2	58	70	4	68
BLOCK 12	5	1	0	2	31	56	0	5	20	11	61
BLOCK 13	5	6	6	2	1	84	9	0	27	0	53
BLOCK 14	6	0	46	5	0	87	4	1	76	2	11
BLOCK 15	6	7	48	2	2	40	5	0	44	5	89
BLOCK 16	5	1	4	1	0	1	7	0	20	5	67
BLOCK 17	4	4	50	2	0	53	14	2	4	8	76
BLOCK 18	6	0	27	2	0	70	24	0	6	1	10
TOTAL	341	195	598	200	159	886	271	134	724	136	1015

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 20): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY										
RAT NUMBER	1743	1748	1752	1766	1773	1778	1784	1788	1789	1793	1798
DAY 14 POSTPARTUM:											
TIME (SECONDS) SPENT IN MOVEMENT											
BLOCK 1	18	18	19	3	14	22	9	0	10	6	35
BLOCK 2	61	33	37	7	0	52	28	1	54	0	69
BLOCK 3	3	8	43	19	0	87	28	0	50	0	73
BLOCK 4	0	11	60	39	0	70	78	0	29	2	103
BLOCK 5	26	27	56	10	0	106	14	0	49	3	85
BLOCK 6	87	7	0	0	0	95	2	1	41	10	87
BLOCK 7	72	0	2	14	0	4	2	0	0	19	0
BLOCK 8	61	0	51	4	2	0	7	0	18	3	0
BLOCK 9	0	0	72	1	1	0	0	14	82	2	69
BLOCK 10	5	0	68	0	29	6	0	51	68	0	131
BLOCK 11	0	0	14	1	34	35	0	61	78	1	79
BLOCK 12	2	0	0	0	14	67	0	3	22	3	75
BLOCK 13	1	3	11	0	0	140	2	0	33	0	47
BLOCK 14	3	0	51	0	0	116	4	0	68	0	6
BLOCK 15	1	0	66	0	0	73	0	0	39	0	117
BLOCK 16	2	0	1	0	0	0	1	0	12	1	75
BLOCK 17	1	2	48	0	0	75	7	0	3	2	120
BLOCK 18	1	0	12	0	0	95	11	0	2	0	4
TOTAL	344	109	611	98	94	1043	193	131	658	52	1175

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 21): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762	1767	1768	1770
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	0	0	56	95	6	4	78	2	64	60	50	58
BLOCK 2	0	0	49	76	6	9	59	20	77	56	25	31
BLOCK 3	3	0	39	78	0	0	59	2	67	59	6	12
BLOCK 4	0	0	30	82	1	0	77	23	73	63	0	3
BLOCK 5	0	5	85	97	1	0	72	9	74	47	1	0
BLOCK 6	1	15	43	85	0	3	50	0	79	63	0	2
BLOCK 7	6	42	69	76	0	6	76	0	46	60	2	59
BLOCK 8	8	83	64	79	0	12	60	0	71	72	0	49
BLOCK 9	26	34	52	80	2	6	36	0	76	59	0	38
BLOCK 10	35	22	9	80	10	0	53	0	59	54	0	31
BLOCK 11	26	69	70	84	9	0	45	1	81	41	0	49
BLOCK 12	0	55	65	73	4	0	48	1	76	69	0	17
BLOCK 13	1	68	75	63	0	1	53	0	74	59	1	1
BLOCK 14	5	55	59	66	0	0	51	0	66	69	0	0
BLOCK 15	2	73	44	76	3	0	31	2	90	72	0	1
BLOCK 16	9	86	71	75	2	0	1	0	69	68	1	0
BLOCK 17	0	63	63	83	0	0	2	0	80	66	0	0
BLOCK 18	0	65	69	76	0	0	5	0	80	55	2	0
TOTAL	122	735	1012	1424	44	41	856	60	1302	1092	88	351

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 22): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762	1767	1768	1770
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	0	0	65	119	3	3	125	0	111	125	75	92
BLOCK 2	0	0	92	87	5	9	94	12	168	89	17	29
BLOCK 3	0	0	69	126	0	0	69	0	127	137	2	5
BLOCK 4	0	0	21	146	0	0	85	17	129	99	0	1
BLOCK 5	0	2	96	158	0	0	59	7	190	82	0	0
BLOCK 6	0	18	86	151	0	1	50	0	180	108	0	0
BLOCK 7	2	56	117	168	0	4	113	0	43	165	0	77
BLOCK 8	6	100	142	135	0	19	91	0	104	136	0	90
BLOCK 9	14	40	139	127	1	4	29	0	184	128	0	56
BLOCK 10	29	23	9	112	7	0	64	0	250	118	0	44
BLOCK 11	21	88	142	130	5	0	73	0	195	81	0	140
BLOCK 12	0	95	141	167	2	0	42	0	127	128	0	11
BLOCK 13	0	114	180	159	0	0	65	0	109	128	0	0
BLOCK 14	3	82	88	85	0	0	69	0	110	139	0	0
BLOCK 15	0	122	63	158	0	0	23	0	156	134	0	0
BLOCK 16	4	114	144	157	0	0	0	0	136	113	0	0
BLOCK 17	0	76	142	124	0	0	0	0	137	140	0	0
BLOCK 18	0	101	140	123	0	0	0	0	153	146	1	0
TOTAL	79	1031	1876	2432	23	40	1051	36	2609	2196	95	545

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 23): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1772	1777	1781	1785	1786	1790	1794	1796
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	35	63	63	53	18	19	32	45
BLOCK 2	19	46	77	37	23	9	54	43
BLOCK 3	24	43	58	40	26	60	64	9
BLOCK 4	34	6	29	52	16	7	7	27
BLOCK 5	45	3	91	58	5	0	0	60
BLOCK 6	33	16	11	17	41	4	0	0
BLOCK 7	66	20	0	1	26	53	0	3
BLOCK 8	25	6	0	0	41	36	0	0
BLOCK 9	9	1	2	4	0	33	1	0
BLOCK 10	0	2	1	0	44	23	9	0
BLOCK 11	0	6	3	22	24	39	0	4
BLOCK 12	4	0	2	65	0	24	2	2
BLOCK 13	0	0	1	72	0	34	1	0
BLOCK 14	3	0	0	70	1	69	0	0
BLOCK 15	9	1	2	35	1	52	1	0
BLOCK 16	0	2	7	6	0	1	3	1
BLOCK 17	3	0	4	60	0	0	3	6
BLOCK 18	0	18	0	72	8	0	11	36
TOTAL	309	233	351	664	274	463	188	236

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 24): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1772	1777	1781	1785	1786	1790	1794	1796
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	63	94	73	77	12	12	30	143
BLOCK 2	49	42	71	28	22	3	65	121
BLOCK 3	30	43	60	37	26	59	126	6
BLOCK 4	60	3	36	29	21	4	9	57
BLOCK 5	55	0	119	77	0	0	0	120
BLOCK 6	64	9	7	5	48	1	0	0
BLOCK 7	103	19	0	0	30	57	0	2
BLOCK 8	31	3	0	0	64	34	0	0
BLOCK 9	3	0	0	0	0	30	0	0
BLOCK 10	0	0	0	0	56	23	1	0
BLOCK 11	0	2	1	9	21	41	0	3
BLOCK 12	1	0	0	123	0	15	1	0
BLOCK 13	0	0	0	95	0	37	0	0
BLOCK 14	1	0	0	93	0	101	0	0
BLOCK 15	6	0	1	38	0	72	0	0
BLOCK 16	0	1	1	3	0	0	0	0
BLOCK 17	0	0	1	64	0	0	0	9
BLOCK 18	0	15	0	101	2	0	2	74
TOTAL	466	231	370	779	302	489	234	535

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 25): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753	1755	1756	1760
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	35	59	61	2	0	38	57	13	30	66	15	47
BLOCK 2	65	35	61	0	0	39	23	6	12	54	21	42
BLOCK 3	60	55	76	0	0	63	14	2	0	61	7	43
BLOCK 4	61	70	57	0	1	44	3	56	2	46	12	62
BLOCK 5	71	55	23	0	1	44	10	42	0	62	0	71
BLOCK 6	80	50	62	0	0	83	6	70	2	27	0	61
BLOCK 7	76	45	48	1	0	80	7	50	2	1	3	3
BLOCK 8	60	16	67	3	0	5	1	12	1	17	1	1
BLOCK 9	69	58	56	0	2	0	4	64	1	52	3	1
BLOCK 10	13	66	55	0	0	0	0	63	2	8	0	3
BLOCK 11	1	1	53	0	1	0	4	52	2	2	2	2
BLOCK 12	1	0	60	2	0	0	14	9	2	4	3	0
BLOCK 13	2	0	1	0	2	0	83	1	0	4	0	1
BLOCK 14	0	1	25	0	0	1	82	7	1	2	2	3
BLOCK 15	0	0	51	0	0	2	75	0	7	0	4	3
BLOCK 16	2	0	59	1	1	0	77	0	0	3	2	0
BLOCK 17	2	0	45	1	0	0	79	0	0	2	2	2
BLOCK 18	0	0	0	0	0	2	75	0	1	1	0	0
TOTAL	598	511	860	10	8	401	614	447	65	412	77	345

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 26): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753	1755	1756	1760
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	37	76	95	0	0	60	48	11	28	71	8	43
BLOCK 2	124	47	143	0	0	48	9	3	8	91	13	44
BLOCK 3	157	81	151	0	0	76	9	2	0	88	4	31
BLOCK 4	117	102	143	0	0	46	1	89	1	69	8	107
BLOCK 5	162	91	26	0	0	43	5	65	0	114	0	64
BLOCK 6	163	63	101	0	0	112	0	83	1	14	0	82
BLOCK 7	163	78	125	0	0	138	2	80	1	1	1	1
BLOCK 8	147	24	143	1	0	3	0	13	0	27	0	0
BLOCK 9	144	80	102	0	0	0	0	100	0	92	1	0
BLOCK 10	28	81	102	0	0	0	0	94	1	3	0	0
BLOCK 11	1	1	113	0	0	0	0	51	0	0	1	0
BLOCK 12	0	0	138	0	0	0	5	15	0	1	1	0
BLOCK 13	0	0	1	0	2	0	80	0	0	1	0	0
BLOCK 14	0	0	27	0	0	0	91	3	0	1	0	1
BLOCK 15	0	0	99	0	0	1	86	0	2	0	1	0
BLOCK 16	0	0	118	0	0	0	81	0	0	1	0	0
BLOCK 17	0	0	90	0	0	0	79	0	0	0	0	0
BLOCK 18	0	0	0	0	0	0	98	0	0	0	0	0
TOTAL	1243	724	1717	1	2	527	594	609	42	574	38	373

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 27): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 11	0.1 MG/KG/DAY							
RAT NUMBER	1763	1769	1771	1775	1779	1782	1795	1800
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	52	71	19	4	60	52	41	26
BLOCK 2	50	70	38	0	29	38	65	27
BLOCK 3	65	35	11	16	1	20	75	24
BLOCK 4	65	27	5	35	0	4	19	80
BLOCK 5	57	0	1	3	0	0	1	53
BLOCK 6	58	0	0	0	1	3	11	30
BLOCK 7	45	0	2	0	24	49	14	48
BLOCK 8	17	2	0	0	15	55	66	81
BLOCK 9	0	0	3	0	53	43	74	26
BLOCK 10	0	0	6	1	49	53	78	0
BLOCK 11	35	0	0	1	43	61	82	4
BLOCK 12	59	0	8	0	0	57	70	1
BLOCK 13	48	0	1	0	1	76	70	7
BLOCK 14	62	0	1	2	0	54	18	4
BLOCK 15	54	1	2	0	5	69	0	3
BLOCK 16	38	0	2	0	0	60	2	5
BLOCK 17	4	2	3	0	2	27	1	4
BLOCK 18	5	1	0	0	3	72	3	20
TOTAL	714	209	102	62	286	793	690	443

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 28): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1763	1769	1771	1775	1779	1782	1795	1800
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	54	107	9	1	56	83	86	19
BLOCK 2	59	117	24	0	18	38	140	18
BLOCK 3	59	27	7	8	0	16	118	15
BLOCK 4	69	31	2	29	0	4	21	122
BLOCK 5	56	0	0	3	0	0	1	76
BLOCK 6	62	0	0	0	0	0	6	20
BLOCK 7	87	0	1	0	16	82	7	38
BLOCK 8	19	0	0	0	17	114	110	109
BLOCK 9	0	0	0	0	43	72	105	28
BLOCK 10	0	0	2	0	65	58	134	0
BLOCK 11	31	0	0	0	47	146	145	2
BLOCK 12	81	0	2	0	0	100	129	0
BLOCK 13	51	0	0	0	0	150	134	2
BLOCK 14	107	0	0	0	0	172	24	1
BLOCK 15	85	0	0	0	3	156	0	1
BLOCK 16	45	0	0	0	0	129	1	0
BLOCK 17	3	0	3	0	0	30	1	0
BLOCK 18	1	0	0	0	0	176	0	15
TOTAL	869	282	50	41	265	1526	1162	466

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 29): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735	1742	1744
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	39	31	50	1	29	43	73	21	57	41	35	69
BLOCK 2	14	24	77	13	62	40	69	50	66	33	3	51
BLOCK 3	30	44	53	60	64	55	34	48	63	0	0	50
BLOCK 4	72	44	79	50	64	39	26	42	71	37	0	45
BLOCK 5	40	29	84	46	79	11	71	56	73	34	0	81
BLOCK 6	64	42	83	67	53	4	61	14	67	0	0	68
BLOCK 7	44	50	36	67	72	2	1	43	69	1	0	63
BLOCK 8	31	38	29	36	55	0	0	41	69	0	0	17
BLOCK 9	35	71	4	64	58	2	2	3	69	0	0	64
BLOCK 10	47	17	0	63	63	0	0	8	76	2	0	88
BLOCK 11	14	67	6	29	9	0	1	1	48	0	6	53
BLOCK 12	43	69	9	84	0	3	0	0	2	3	37	78
BLOCK 13	1	1	4	54	16	3	0	0	1	0	28	52
BLOCK 14	1	2	2	63	76	0	0	1	2	0	34	71
BLOCK 15	1	4	0	73	40	0	0	2	0	1	38	47
BLOCK 16	2	0	0	0	72	10	0	2	2	19	30	1
BLOCK 17	0	1	1	38	67	3	6	3	12	47	18	1
BLOCK 18	0	5	2	71	89	6	1	0	79	49	0	1
TOTAL	478	539	519	879	968	221	345	335	826	267	229	900

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 30): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735	1742	1744
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	27	21	43	0	24	43	92	14	121	61	25	86
BLOCK 2	6	21	76	2	103	26	124	42	163	32	3	60
BLOCK 3	16	64	67	57	126	87	36	38	127	0	0	47
BLOCK 4	82	76	85	47	85	45	27	29	194	38	0	50
BLOCK 5	48	39	93	43	141	10	103	58	185	59	0	109
BLOCK 6	66	85	87	80	85	1	67	6	171	0	0	86
BLOCK 7	45	68	18	77	139	2	0	38	191	0	0	202
BLOCK 8	33	53	15	32	89	0	0	34	157	0	0	19
BLOCK 9	45	129	1	78	80	0	0	1	108	0	0	147
BLOCK 10	39	17	0	71	148	0	0	2	171	0	0	126
BLOCK 11	10	85	4	25	13	0	0	1	158	0	2	128
BLOCK 12	53	109	1	132	0	1	0	0	3	0	34	174
BLOCK 13	1	0	0	63	16	1	0	0	0	0	19	62
BLOCK 14	0	0	0	83	118	0	0	0	0	0	47	164
BLOCK 15	0	2	0	70	56	0	0	1	0	0	48	110
BLOCK 16	0	0	0	0	130	2	0	0	1	7	41	0
BLOCK 17	0	0	0	51	112	1	3	0	3	62	15	0
BLOCK 18	0	2	0	99	147	1	0	0	167	33	0	0
TOTAL	471	771	490	1010	1612	220	452	264	1920	292	234	1570

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 31): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1749	1754	1758	1761	1780	1791	1792	1799
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	4	19	0	27	65	56	29	59
BLOCK 2	16	30	5	36	44	52	43	49
BLOCK 3	0	18	6	3	66	47	35	56
BLOCK 4	4	51	0	2	20	19	11	54
BLOCK 5	4	30	0	0	21	0	30	46
BLOCK 6	45	1	4	2	40	1	3	22
BLOCK 7	49	0	0	3	55	24	0	1
BLOCK 8	0	0	0	0	21	39	0	1
BLOCK 9	0	3	0	3	5	26	0	2
BLOCK 10	0	0	0	0	57	0	1	1
BLOCK 11	2	0	1	2	45	0	0	2
BLOCK 12	1	0	0	0	2	0	0	2
BLOCK 13	1	1	2	0	1	2	1	0
BLOCK 14	0	0	4	2	3	0	20	14
BLOCK 15	0	0	2	0	2	0	13	2
BLOCK 16	0	0	7	0	2	0	47	0
BLOCK 17	2	2	0	1	1	1	31	4
BLOCK 18	0	28	0	0	0	26	27	23
TOTAL	128	183	31	81	450	293	291	338

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 32): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1749	1754	1758	1761	1780	1791	1792	1799
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	0	4	0	45	89	125	38	85
BLOCK 2	7	22	3	64	39	95	40	79
BLOCK 3	0	8	3	1	95	106	33	77
BLOCK 4	1	38	0	2	11	22	7	58
BLOCK 5	1	25	0	0	9	0	29	73
BLOCK 6	23	0	4	0	34	0	2	14
BLOCK 7	40	0	0	0	69	47	0	0
BLOCK 8	0	0	0	0	13	64	0	0
BLOCK 9	0	0	0	0	3	42	0	0
BLOCK 10	0	0	0	0	48	0	0	0
BLOCK 11	0	0	0	1	56	0	0	0
BLOCK 12	0	0	0	0	0	0	0	0
BLOCK 13	0	0	0	0	0	1	0	0
BLOCK 14	0	0	1	0	3	0	12	8
BLOCK 15	0	0	1	0	1	0	17	0
BLOCK 16	0	0	1	0	1	0	69	0
BLOCK 17	0	1	0	0	0	0	30	1
BLOCK 18	0	8	0	0	0	41	49	8
TOTAL	72	106	13	113	471	543	326	403

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 33): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738	1739	1745	1751
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	58	13	55	6	57	43	12	4	7	4	22	65
BLOCK 2	65	17	61	50	57	69	7	8	0	23	35	34
BLOCK 3	71	19	70	32	62	14	15	56	1	52	49	33
BLOCK 4	40	7	59	22	82	35	0	30	0	47	52	43
BLOCK 5	62	16	70	19	74	66	0	39	0	46	30	60
BLOCK 6	73	25	62	6	56	34	0	55	3	45	7	49
BLOCK 7	60	5	37	67	70	0	2	37	9	0	24	41
BLOCK 8	5	2	26	29	72	0	0	70	25	28	25	69
BLOCK 9	0	2	43	40	74	0	0	76	35	2	30	43
BLOCK 10	1	2	52	0	67	0	4	12	62	39	35	61
BLOCK 11	2	2	25	3	1	2	4	0	28	10	1	52
BLOCK 12	0	4	1	0	0	2	4	45	0	5	8	38
BLOCK 13	1	0	1	2	2	1	37	31	0	1	0	47
BLOCK 14	1	0	0	4	19	0	25	56	0	0	4	41
BLOCK 15	1	9	5	0	0	1	47	59	1	0	1	48
BLOCK 16	0	0	0	0	0	12	46	27	0	3	0	30
BLOCK 17	2	1	3	0	1	59	10	58	0	2	3	31
BLOCK 18	0	3	4	1	0	67	0	2	0	0	2	71
TOTAL	442	127	574	281	694	405	213	665	171	307	328	856

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 34): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738	1739	1745	1751
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	70	5	74	1	64	31	6	1	2	0	7	88
BLOCK 2	101	10	104	55	70	131	3	4	0	11	32	48
BLOCK 3	91	8	117	29	130	13	11	65	0	31	73	48
BLOCK 4	35	3	94	11	123	29	0	21	0	42	56	57
BLOCK 5	55	10	81	7	113	98	0	45	0	80	11	104
BLOCK 6	64	12	111	2	81	44	0	40	0	49	4	107
BLOCK 7	55	1	48	68	134	0	1	35	4	0	15	101
BLOCK 8	1	1	27	18	143	0	0	97	23	17	23	127
BLOCK 9	0	1	51	41	149	0	0	93	27	0	32	89
BLOCK 10	0	0	78	0	108	0	1	5	72	30	23	143
BLOCK 11	0	0	27	0	0	0	2	0	21	11	0	95
BLOCK 12	0	2	0	0	0	0	3	65	0	1	4	88
BLOCK 13	0	0	0	0	0	0	57	27	0	0	0	70
BLOCK 14	0	0	0	1	9	0	35	77	0	0	0	83
BLOCK 15	0	3	1	0	0	0	108	63	0	0	0	81
BLOCK 16	0	0	0	0	0	7	120	18	0	1	0	50
BLOCK 17	1	0	1	0	0	94	9	59	0	0	1	58
BLOCK 18	0	1	1	0	0	96	0	0	0	0	1	143
TOTAL	473	57	815	233	1124	543	356	715	149	273	282	1580

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 35): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1759	1764	1765	1774	1776	1783	1787	1797
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	50	54	36	39	31	7	32	59
BLOCK 2	32	27	40	44	0	32	42	66
BLOCK 3	19	66	2	1	12	17	53	47
BLOCK 4	15	7	11	1	3	2	27	61
BLOCK 5	51	13	1	0	0	11	7	69
BLOCK 6	45	1	0	2	4	35	55	63
BLOCK 7	55	2	0	1	8	69	57	43
BLOCK 8	29	5	0	0	38	18	42	70
BLOCK 9	0	3	0	0	37	0	44	73
BLOCK 10	2	0	0	1	65	0	1	72
BLOCK 11	0	0	1	0	60	0	0	28
BLOCK 12	0	3	25	1	67	0	6	66
BLOCK 13	0	0	10	0	47	3	12	74
BLOCK 14	4	0	30	0	47	1	0	75
BLOCK 15	1	4	39	3	64	0	0	65
BLOCK 16	0	16	1	26	44	0	4	76
BLOCK 17	0	44	0	51	27	0	3	49
BLOCK 18	3	46	1	35	65	1	0	79
TOTAL	306	291	197	205	619	196	385	1135

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 36): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1759	1764	1765	1774	1776	1783	1787	1797
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	70	113	32	47	18	2	29	97
BLOCK 2	57	17	38	30	0	24	32	100
BLOCK 3	13	83	1	0	5	6	45	58
BLOCK 4	7	6	6	0	1	0	33	90
BLOCK 5	56	8	0	0	0	4	2	102
BLOCK 6	59	0	0	0	1	20	58	94
BLOCK 7	62	1	0	0	1	83	92	37
BLOCK 8	45	1	0	0	30	16	64	91
BLOCK 9	0	0	0	0	37	0	61	108
BLOCK 10	1	0	0	0	84	0	0	153
BLOCK 11	0	0	0	0	79	0	0	51
BLOCK 12	0	1	32	0	128	0	1	116
BLOCK 13	0	0	16	0	142	0	6	126
BLOCK 14	3	0	46	0	90	0	0	145
BLOCK 15	0	1	52	1	153	0	0	104
BLOCK 16	0	10	0	19	98	0	0	141
BLOCK 17	0	26	0	85	44	0	0	62
BLOCK 18	1	70	0	42	111	0	0	164
TOTAL	374	337	223	224	1022	155	423	1839

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 37): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741	1743	1748	1752
DAY 18 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	38	38	37	43	28	57	80	50	32	13	28	55
BLOCK 2	32	63	13	35	44	19	24	57	40	68	39	60
BLOCK 3	14	22	5	66	23	2	41	34	24	55	5	57
BLOCK 4	17	60	12	53	49	51	0	43	21	31	0	58
BLOCK 5	3	30	17	51	50	1	0	24	15	72	0	68
BLOCK 6	18	91	25	78	64	64	2	7	1	42	0	80
BLOCK 7	1	95	24	46	56	13	0	9	1	56	0	71
BLOCK 8	0	85	0	51	57	6	0	0	0	6	0	83
BLOCK 9	0	74	1	62	41	2	0	0	2	30	0	46
BLOCK 10	5	89	2	69	53	0	1	2	3	72	0	74
BLOCK 11	0	81	5	57	57	0	1	0	0	63	0	73
BLOCK 12	1	90	30	54	53	0	0	1	0	37	0	39
BLOCK 13	0	51	13	78	76	0	5	0	0	45	2	13
BLOCK 14	0	85	44	70	81	0	2	0	1	57	0	51
BLOCK 15	2	52	2	33	46	4	0	2	3	68	0	56
BLOCK 16	0	2	0	1	50	0	0	0	1	12	4	72
BLOCK 17	2	5	0	16	2	0	0	0	1	72	0	61
BLOCK 18	4	8	2	65	0	1	0	0	3	66	0	62
TOTAL	137	1021	232	928	830	220	156	229	148	865	78	1079

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 38): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741	1743	1748	1752
DAY 18 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	22	28	29	35	22	55	124	52	54	15	30	75
BLOCK 2	22	59	11	33	57	12	30	57	51	132	26	79
BLOCK 3	8	29	3	77	33	0	43	34	28	105	1	87
BLOCK 4	9	82	6	72	75	64	0	44	18	32	0	96
BLOCK 5	0	19	9	36	66	0	0	18	12	121	0	98
BLOCK 6	9	110	16	85	79	81	0	4	0	57	0	131
BLOCK 7	0	134	23	35	79	7	0	3	0	100	0	180
BLOCK 8	0	114	0	60	73	4	0	0	0	4	0	148
BLOCK 9	0	123	0	54	62	0	0	0	0	30	0	66
BLOCK 10	1	125	1	88	73	0	0	0	0	136	0	151
BLOCK 11	0	107	1	58	92	0	0	0	0	130	0	122
BLOCK 12	0	154	32	72	72	0	0	0	0	69	0	51
BLOCK 13	0	104	7	90	91	0	3	0	0	91	1	6
BLOCK 14	0	142	36	104	105	0	0	0	0	163	0	97
BLOCK 15	0	44	1	31	54	1	0	0	0	139	0	132
BLOCK 16	0	0	0	0	90	0	0	0	0	19	4	78
BLOCK 17	0	1	0	5	2	0	0	0	0	153	0	102
BLOCK 18	0	5	0	79	0	0	0	0	1	114	0	157
TOTAL	71	1380	175	1014	1125	224	200	212	164	1610	62	1856

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 39): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1766	1773	1778	1784	1788	1789	1793	1798
DAY 18 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	54	8	62	54	1	84	52	58
BLOCK 2	66	0	58	59	0	72	36	71
BLOCK 3	61	0	50	70	1	65	51	69
BLOCK 4	76	1	46	55	0	37	3	74
BLOCK 5	78	1	44	58	0	0	1	62
BLOCK 6	43	1	60	55	0	0	12	69
BLOCK 7	73	0	49	63	0	0	0	23
BLOCK 8	75	0	63	71	0	2	4	70
BLOCK 9	62	1	58	70	0	3	0	76
BLOCK 10	27	0	54	55	10	37	0	59
BLOCK 11	77	0	47	65	30	89	1	67
BLOCK 12	78	0	71	50	14	85	0	77
BLOCK 13	66	0	26	68	0	81	0	78
BLOCK 14	69	0	2	73	0	87	0	30
BLOCK 15	68	0	0	48	0	76	4	86
BLOCK 16	75	0	13	39	0	69	34	86
BLOCK 17	44	0	3	27	0	67	51	67
BLOCK 18	74	18	1	77	0	68	40	90
TOTAL	1166	30	707	1057	56	922	289	1212

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 40): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1766	1773	1778	1784	1788	1789	1793	1798
DAY 18 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	61	6	119	81	0	85	67	73
BLOCK 2	86	0	98	85	0	57	34	99
BLOCK 3	79	0	76	110	0	86	47	61
BLOCK 4	130	0	99	94	0	28	3	125
BLOCK 5	122	0	147	77	0	0	0	87
BLOCK 6	35	1	124	105	0	0	5	86
BLOCK 7	115	0	133	95	0	0	0	14
BLOCK 8	114	0	143	130	0	0	1	83
BLOCK 9	94	0	90	124	0	0	0	138
BLOCK 10	24	0	113	83	4	37	0	71
BLOCK 11	127	0	101	120	29	118	0	87
BLOCK 12	124	0	149	101	23	111	0	152
BLOCK 13	119	0	36	105	0	95	0	119
BLOCK 14	98	0	0	144	0	116	0	19
BLOCK 15	115	0	0	119	0	94	1	125
BLOCK 16	116	0	15	64	0	75	33	122
BLOCK 17	88	0	6	19	0	103	68	108
BLOCK 18	118	7	0	153	0	110	62	140
TOTAL	1765	14	1449	1809	56	1115	321	1709

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 41): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762	1767	1768	1770
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	55	25	50	56	56	0	45	19	69	65	89	48
BLOCK 2	3	26	49	33	30	6	52	0	45	67	23	0
BLOCK 3	9	0	35	21	22	8	28	0	11	47	57	20
BLOCK 4	14	0	0	32	0	0	39	0	6	17	23	57
BLOCK 5	0	0	0	19	27	0	42	0	0	24	0	40
BLOCK 6	0	0	41	64	36	0	18	0	0	28	0	0
BLOCK 7	0	0	14	16	28	0	4	0	1	47	0	0
BLOCK 8	0	2	2	0	3	0	1	0	0	22	0	0
BLOCK 9	5	0	0	0	0	0	15	2	1	9	0	0
BLOCK 10	0	25	0	0	0	0	41	0	4	2	0	0
BLOCK 11	1	34	6	4	0	0	40	0	1	7	1	0
BLOCK 12	5	63	5	52	14	6	0	0	0	0	1	0
BLOCK 13	0	51	19	70	0	4	0	0	27	1	2	1
BLOCK 14	4	14	38	48	0	0	2	0	6	16	0	0
BLOCK 15	0	38	20	7	0	0	0	0	1	40	0	0
BLOCK 16	3	32	55	33	2	0	0	0	59	61	0	0
BLOCK 17	0	0	46	23	0	0	0	0	59	66	1	1
BLOCK 18	4	0	50	0	0	0	2	0	34	59	0	0
TOTAL	103	310	430	478	218	24	329	21	324	578	197	167

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 42): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762	1767	1768	1770
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	93	29	82	39	67	0	50	8	113	132	135	72
BLOCK 2	0	42	79	40	20	12	55	0	42	92	35	0
BLOCK 3	5	0	47	26	15	7	31	0	9	94	84	14
BLOCK 4	7	0	0	30	0	0	47	0	1	32	20	100
BLOCK 5	0	0	0	19	29	0	53	0	0	35	0	47
BLOCK 6	0	0	51	74	26	0	27	0	0	60	0	0
BLOCK 7	0	0	5	9	28	0	1	0	0	100	0	0
BLOCK 8	0	0	0	0	1	0	0	0	0	19	0	0
BLOCK 9	2	0	0	0	0	0	12	1	0	16	0	0
BLOCK 10	0	40	0	0	0	0	62	0	3	1	0	0
BLOCK 11	0	55	3	2	0	0	44	0	0	7	0	0
BLOCK 12	0	98	3	64	9	1	0	0	0	0	0	0
BLOCK 13	0	91	12	99	0	5	0	0	24	0	0	0
BLOCK 14	0	11	44	58	0	0	1	0	2	19	0	0
BLOCK 15	0	59	13	5	0	0	0	0	0	61	0	0
BLOCK 16	0	42	63	45	1	0	0	0	67	67	0	0
BLOCK 17	0	0	66	30	0	0	0	0	81	104	0	0
BLOCK 18	2	0	76	0	0	0	0	0	27	50	0	0
TOTAL	109	467	544	540	196	25	383	9	369	889	274	233

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 43): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1772	1777	1781	1785	1786	1790	1794	1796
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	59	63	76	55	54	17	43	58
BLOCK 2	64	25	64	70	66	32	48	46
BLOCK 3	46	44	33	62	43	43	5	55
BLOCK 4	28	31	56	57	60	0	85	24
BLOCK 5	9	2	64	58	59	20	13	35
BLOCK 6	1	0	18	12	44	0	0	5
BLOCK 7	0	0	42	1	0	0	14	39
BLOCK 8	29	0	51	0	0	9	44	67
BLOCK 9	60	0	8	22	0	71	0	15
BLOCK 10	30	0	2	0	0	60	0	0
BLOCK 11	26	15	29	4	4	1	0	1
BLOCK 12	51	54	74	2	1	28	0	2
BLOCK 13	40	58	31	0	0	0	0	0
BLOCK 14	28	41	2	0	5	0	0	0
BLOCK 15	2	56	1	1	4	0	0	0
BLOCK 16	0	68	1	0	2	15	0	1
BLOCK 17	0	58	2	0	4	56	0	39
BLOCK 18	0	8	3	0	2	66	1	64
TOTAL	473	523	557	344	348	418	253	451

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 44): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1772	1777	1781	1785	1786	1790	1794	1796
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	96	109	126	95	47	17	33	164
BLOCK 2	108	39	121	82	64	33	71	108
BLOCK 3	86	76	45	76	50	48	8	56
BLOCK 4	24	26	109	61	85	0	109	26
BLOCK 5	5	0	76	60	106	29	10	28
BLOCK 6	0	0	10	6	35	0	0	2
BLOCK 7	0	0	47	0	0	0	10	50
BLOCK 8	52	0	70	0	0	11	61	131
BLOCK 9	64	0	2	9	0	108	0	13
BLOCK 10	49	0	0	0	0	66	0	0
BLOCK 11	41	7	41	1	2	0	0	0
BLOCK 12	82	72	123	0	0	30	0	0
BLOCK 13	72	90	25	0	0	0	0	0
BLOCK 14	22	40	0	0	0	0	0	0
BLOCK 15	0	72	0	0	3	0	0	0
BLOCK 16	0	105	0	0	0	16	0	0
BLOCK 17	0	70	0	0	1	89	0	28
BLOCK 18	0	2	0	0	0	98	0	77
TOTAL	701	708	795	390	393	545	302	683

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 45): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753	1755	1756	1760
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	73	78	52	6	16	61	76	55	42	59	46	63
BLOCK 2	66	41	41	10	0	14	70	37	2	5	46	77
BLOCK 3	34	66	33	4	0	47	8	3	3	0	17	13
BLOCK 4	53	39	3	0	6	52	0	0	4	0	0	0
BLOCK 5	42	52	0	0	20	13	0	0	3	0	0	0
BLOCK 6	32	22	1	1	0	7	3	0	1	4	0	0
BLOCK 7	31	46	5	2	0	1	1	0	2	7	0	1
BLOCK 8	0	55	3	2	0	1	3	1	2	0	0	3
BLOCK 9	0	27	7	0	0	2	2	0	1	6	0	1
BLOCK 10	29	50	4	0	0	0	10	1	3	0	0	2
BLOCK 11	42	61	13	0	2	0	0	0	3	1	0	2
BLOCK 12	9	54	51	1	1	0	1	0	0	0	2	0
BLOCK 13	53	2	29	0	0	1	5	4	5	3	0	4
BLOCK 14	19	0	1	0	3	0	1	1	1	2	0	2
BLOCK 15	0	1	0	6	0	7	8	0	5	0	1	7
BLOCK 16	0	7	3	15	0	41	57	0	4	1	7	0
BLOCK 17	3	0	0	41	1	50	51	1	0	1	47	6
BLOCK 18	0	0	0	0	1	21	0	0	4	1	34	5
TOTAL	486	601	246	88	50	318	296	103	85	90	200	186

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 46): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753	1755	1756	1760
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	149	87	89	1	12	91	125	94	50	61	39	81
BLOCK 2	106	70	64	5	0	19	68	61	0	2	47	57
BLOCK 3	45	88	55	1	0	105	4	0	1	0	11	4
BLOCK 4	81	48	1	0	5	69	0	0	3	0	0	0
BLOCK 5	77	62	0	0	9	6	0	0	1	0	0	0
BLOCK 6	67	29	0	0	0	5	1	0	0	1	0	0
BLOCK 7	35	49	4	1	0	0	0	0	0	3	0	0
BLOCK 8	0	114	3	0	0	0	0	1	1	0	0	0
BLOCK 9	0	16	6	0	0	1	1	0	0	3	0	0
BLOCK 10	28	70	2	0	0	0	5	0	2	0	0	0
BLOCK 11	55	71	21	0	0	0	0	0	1	0	0	0
BLOCK 12	3	71	73	0	0	0	0	0	0	0	1	0
BLOCK 13	67	0	25	0	0	0	2	1	2	1	0	0
BLOCK 14	25	0	0	0	2	0	0	0	0	0	0	0
BLOCK 15	0	0	0	1	0	3	1	0	1	0	0	3
BLOCK 16	0	4	1	6	0	39	68	0	1	0	3	0
BLOCK 17	1	0	0	40	0	98	36	0	0	0	34	3
BLOCK 18	0	0	0	0	1	11	0	0	0	0	24	3
TOTAL	739	779	344	55	29	447	311	157	63	71	159	151

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 47): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1763	1769	1771	1775	1779	1782	1795	1800
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	55	85	67	64	15	55	47	85
BLOCK 2	35	49	46	47	30	64	40	55
BLOCK 3	31	45	30	65	0	48	26	61
BLOCK 4	11	53	54	68	0	53	49	60
BLOCK 5	1	27	40	28	0	32	39	54
BLOCK 6	0	14	9	4	0	53	1	53
BLOCK 7	1	1	0	0	0	59	0	50
BLOCK 8	8	0	1	1	0	46	3	58
BLOCK 9	1	1	0	2	11	38	2	27
BLOCK 10	4	0	0	0	28	46	1	5
BLOCK 11	0	1	0	1	35	13	0	3
BLOCK 12	35	0	0	5	0	20	0	55
BLOCK 13	56	1	3	0	22	34	1	59
BLOCK 14	38	0	0	0	44	16	1	36
BLOCK 15	45	0	1	5	29	17	3	2
BLOCK 16	52	3	0	1	8	68	0	1
BLOCK 17	20	0	1	0	53	66	4	0
BLOCK 18	19	1	0	0	19	56	6	0
TOTAL	412	281	252	291	294	784	223	664

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 48): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1763	1769	1771	1775	1779	1782	1795	1800
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	69	156	91	116	16	115	97	123
BLOCK 2	51	47	60	55	30	149	76	86
BLOCK 3	21	40	19	102	0	69	40	124
BLOCK 4	5	72	34	73	0	73	59	86
BLOCK 5	0	25	21	18	0	21	42	61
BLOCK 6	0	7	4	1	0	65	0	63
BLOCK 7	0	0	0	0	0	104	0	99
BLOCK 8	2	0	0	0	0	49	2	99
BLOCK 9	0	0	0	0	5	55	0	38
BLOCK 10	3	0	0	0	19	61	0	3
BLOCK 11	0	0	0	0	41	6	0	0
BLOCK 12	22	0	0	3	0	11	0	62
BLOCK 13	69	0	1	0	15	19	0	91
BLOCK 14	26	0	0	0	67	7	0	31
BLOCK 15	45	0	0	3	41	18	0	0
BLOCK 16	62	0	0	0	1	91	0	0
BLOCK 17	8	0	0	0	56	103	2	0
BLOCK 18	9	0	0	0	16	86	6	0
TOTAL	392	347	230	371	307	1102	324	966

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 49): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735	1742	1744
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	46	55	75	25	22	74	65	61	81	68	47	70
BLOCK 2	15	46	75	63	41	11	18	28	63	51	38	66
BLOCK 3	28	21	86	56	37	1	0	8	78	17	0	59
BLOCK 4	12	11	25	7	13	1	49	24	55	40	0	58
BLOCK 5	50	24	2	15	48	9	24	2	58	23	0	19
BLOCK 6	31	63	1	40	42	1	0	55	76	0	0	34
BLOCK 7	52	58	0	43	2	19	3	73	65	0	0	72
BLOCK 8	11	31	3	24	16	0	0	8	58	0	0	37
BLOCK 9	45	1	0	23	46	1	2	36	73	0	46	54
BLOCK 10	41	0	3	58	43	1	4	48	66	6	22	53
BLOCK 11	41	11	3	46	55	2	4	49	65	0	34	25
BLOCK 12	25	0	3	0	45	3	0	15	65	0	27	2
BLOCK 13	56	7	0	3	55	1	8	0	48	0	53	0
BLOCK 14	35	0	17	0	14	4	38	1	66	1	64	0
BLOCK 15	36	2	65	1	1	10	13	2	68	0	15	0
BLOCK 16	28	5	14	0	0	12	62	0	66	0	26	0
BLOCK 17	6	0	0	3	42	59	2	0	69	0	42	0
BLOCK 18	29	3	3	1	67	44	3	3	54	0	66	0
TOTAL	587	338	375	408	589	253	295	413	1174	206	480	549

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 50): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735	1742	1744
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	32	161	168	9	15	82	100	69	133	128	91	144
BLOCK 2	11	61	190	125	65	8	18	23	154	60	66	94
BLOCK 3	22	22	102	74	74	0	0	3	178	15	0	110
BLOCK 4	4	7	17	3	24	0	55	20	84	57	0	82
BLOCK 5	46	30	0	28	79	4	31	1	110	20	0	17
BLOCK 6	41	106	0	66	62	0	0	74	171	0	0	30
BLOCK 7	41	119	0	34	0	11	1	116	110	0	0	89
BLOCK 8	4	44	1	14	20	0	0	1	78	0	0	36
BLOCK 9	36	0	0	25	71	0	1	25	82	0	58	62
BLOCK 10	25	0	0	103	100	1	1	61	120	4	22	50
BLOCK 11	41	4	0	33	125	1	2	62	150	0	37	19
BLOCK 12	12	0	1	0	83	0	0	11	119	0	26	0
BLOCK 13	49	2	0	0	94	0	5	0	70	0	82	0
BLOCK 14	34	0	10	0	40	0	22	0	76	0	85	0
BLOCK 15	35	0	60	0	0	5	8	0	149	0	19	0
BLOCK 16	15	3	5	0	0	5	59	0	122	0	19	0
BLOCK 17	2	0	0	0	82	66	0	0	110	0	78	0
BLOCK 18	22	1	0	0	109	41	0	1	81	0	105	0
TOTAL	472	560	554	514	1043	224	303	467	2097	284	688	733

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 51): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1749	1754	1758	1761	1780	1791	1792	1799
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	36	86	59	69	27	64	45	60
BLOCK 2	62	49	17	57	45	51	34	62
BLOCK 3	63	21	34	47	31	23	1	40
BLOCK 4	6	51	1	55	79	24	0	53
BLOCK 5	16	20	31	48	17	19	0	5
BLOCK 6	6	3	25	49	0	6	0	36
BLOCK 7	39	0	0	49	7	0	0	13
BLOCK 8	59	0	5	22	0	1	0	34
BLOCK 9	0	1	15	38	4	0	0	21
BLOCK 10	0	1	0	40	1	1	0	0
BLOCK 11	5	3	2	55	6	1	0	2
BLOCK 12	44	0	0	16	0	0	11	2
BLOCK 13	29	0	0	9	0	1	41	0
BLOCK 14	20	1	0	0	0	0	62	3
BLOCK 15	1	0	0	3	0	0	29	0
BLOCK 16	1	0	1	1	1	0	0	0
BLOCK 17	0	2	2	0	0	0	15	0
BLOCK 18	0	0	19	2	0	11	3	4
TOTAL	387	238	211	560	218	202	241	335

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 52): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1749	1754	1758	1761	1780	1791	1792	1799
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	25	58	67	140	30	90	69	87
BLOCK 2	47	37	11	115	47	51	61	100
BLOCK 3	57	12	25	72	18	32	0	33
BLOCK 4	2	34	0	85	122	15	0	93
BLOCK 5	6	7	23	62	9	21	0	1
BLOCK 6	2	0	23	72	0	2	0	51
BLOCK 7	29	0	0	44	3	0	0	10
BLOCK 8	48	0	2	25	0	0	0	40
BLOCK 9	0	0	10	35	1	0	0	13
BLOCK 10	0	0	0	61	0	1	0	0
BLOCK 11	1	0	0	67	4	3	0	1
BLOCK 12	45	0	0	9	0	0	6	0
BLOCK 13	28	0	0	5	0	0	67	0
BLOCK 14	6	0	0	0	0	0	132	1
BLOCK 15	0	0	0	1	0	0	58	0
BLOCK 16	0	0	0	0	0	0	0	0
BLOCK 17	0	0	0	0	0	0	14	0
BLOCK 18	0	0	16	2	0	4	2	3
TOTAL	296	148	177	795	234	219	409	433

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 53): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738	1739	1745	1751
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	89	54	66	18	58	59	46	76	61	70	64	75
BLOCK 2	43	22	73	25	72	4	55	44	3	63	11	60
BLOCK 3	72	2	61	23	45	1	20	47	0	47	11	63
BLOCK 4	36	11	65	29	74	0	41	9	8	35	5	47
BLOCK 5	51	15	53	23	56	11	33	3	0	1	0	1
BLOCK 6	17	2	47	0	5	10	42	19	0	25	2	0
BLOCK 7	52	55	51	0	6	2	54	64	1	55	0	2
BLOCK 8	81	70	18	0	0	50	34	46	0	29	2	0
BLOCK 9	83	61	42	27	4	33	27	39	0	0	3	0
BLOCK 10	70	29	59	65	32	10	0	67	0	17	0	4
BLOCK 11	68	0	44	2	3	1	0	61	0	32	1	2
BLOCK 12	9	0	55	0	2	0	2	62	2	29	2	1
BLOCK 13	0	0	55	0	2	1	9	40	14	3	0	23
BLOCK 14	8	0	40	0	0	2	65	59	44	1	4	59
BLOCK 15	3	0	45	0	4	0	54	44	18	3	1	66
BLOCK 16	0	3	32	0	4	2	57	79	61	0	0	51
BLOCK 17	1	0	34	0	0	1	41	58	54	0	0	55
BLOCK 18	0	2	39	0	1	2	57	13	27	0	0	57
TOTAL	683	326	879	212	368	189	637	830	293	410	106	566

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 54): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738	1739	1745	1751
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	102	49	191	7	106	72	98	68	43	85	90	157
BLOCK 2	37	17	114	15	191	4	90	25	1	67	9	77
BLOCK 3	99	3	176	27	83	0	8	77	0	32	3	85
BLOCK 4	29	7	147	36	132	0	54	1	2	45	2	44
BLOCK 5	56	6	102	29	123	9	64	0	0	0	0	1
BLOCK 6	8	0	76	0	2	6	49	18	0	21	1	0
BLOCK 7	97	68	88	0	4	1	76	88	0	47	0	0
BLOCK 8	94	77	21	0	0	71	37	42	0	20	0	0
BLOCK 9	95	56	92	27	1	19	19	38	0	0	1	0
BLOCK 10	86	16	126	72	42	4	0	93	0	22	0	1
BLOCK 11	80	0	66	0	1	0	0	73	0	43	0	0
BLOCK 12	3	0	108	0	0	0	0	79	0	23	0	0
BLOCK 13	0	0	87	0	1	0	8	43	4	0	0	16
BLOCK 14	2	0	78	0	0	1	121	66	33	0	2	70
BLOCK 15	1	0	65	0	3	0	117	49	9	1	0	88
BLOCK 16	0	0	42	0	0	0	92	104	56	0	0	61
BLOCK 17	0	0	39	0	0	1	56	75	52	0	0	102
BLOCK 18	0	0	43	0	0	1	94	5	17	0	0	100
TOTAL	789	299	1661	213	689	189	983	944	217	406	108	802

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 55): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1759	1764	1765	1774	1776	1783	1787	1797
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	67	64	57	47	57	37	54	66
BLOCK 2	27	37	29	66	42	23	55	32
BLOCK 3	20	35	55	23	15	75	18	30
BLOCK 4	1	31	47	43	19	12	54	12
BLOCK 5	0	27	17	19	50	20	26	13
BLOCK 6	1	28	58	0	42	10	27	82
BLOCK 7	0	50	30	0	34	0	32	77
BLOCK 8	43	31	17	0	9	52	10	35
BLOCK 9	37	0	0	1	16	90	0	0
BLOCK 10	0	0	4	5	54	42	0	0
BLOCK 11	2	0	0	2	45	0	0	0
BLOCK 12	1	0	0	0	64	2	0	0
BLOCK 13	1	1	0	4	33	0	0	0
BLOCK 14	1	0	0	0	53	1	0	0
BLOCK 15	1	0	0	0	9	5	4	0
BLOCK 16	0	10	0	4	30	2	7	0
BLOCK 17	0	2	0	14	55	0	0	0
BLOCK 18	2	0	2	12	34	1	0	1
TOTAL	204	316	316	240	661	372	287	348

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 56): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1759	1764	1765	1774	1776	1783	1787	1797
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	98	93	81	92	145	24	63	141
BLOCK 2	44	43	66	121	93	16	90	56
BLOCK 3	13	50	90	15	7	58	12	50
BLOCK 4	0	31	71	48	30	2	55	6
BLOCK 5	0	35	18	17	74	8	23	12
BLOCK 6	0	19	91	0	50	3	30	137
BLOCK 7	0	54	34	0	49	0	24	119
BLOCK 8	38	40	22	0	6	34	3	37
BLOCK 9	45	0	0	0	17	101	0	0
BLOCK 10	0	0	1	2	105	36	0	0
BLOCK 11	0	0	0	1	85	0	0	0
BLOCK 12	0	0	0	0	99	0	0	0
BLOCK 13	0	0	0	1	40	0	0	0
BLOCK 14	0	0	0	0	79	0	0	0
BLOCK 15	1	0	0	0	11	0	0	0
BLOCK 16	0	5	0	1	32	0	2	0
BLOCK 17	0	0	0	6	77	0	0	0
BLOCK 18	0	0	0	5	45	0	0	0
TOTAL	239	370	474	309	1044	282	302	558

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 57): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741	1743	1748	1752
DAY 22 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	46	41	63	79	64	36	59	60	49	68	58	45
BLOCK 2	54	41	26	45	24	53	29	35	40	51	1	36
BLOCK 3	20	62	32	58	55	46	5	26	4	14	0	34
BLOCK 4	11	6	3	65	17	34	1	27	13	6	0	52
BLOCK 5	0	14	4	14	30	2	0	20	4	14	1	47
BLOCK 6	0	43	16	13	0	22	0	36	2	47	0	1
BLOCK 7	1	66	1	45	6	48	3	16	2	44	0	1
BLOCK 8	0	23	0	3	0	6	0	0	2	9	6	4
BLOCK 9	1	0	2	0	1	0	2	0	0	0	2	6
BLOCK 10	1	0	0	15	0	0	0	1	0	1	1	5
BLOCK 11	0	1	3	15	7	4	3	0	1	0	0	1
BLOCK 12	1	2	5	0	1	0	0	0	1	0	0	4
BLOCK 13	0	0	12	3	0	0	1	0	0	3	1	0
BLOCK 14	3	1	21	0	0	0	0	1	1	3	2	0
BLOCK 15	1	0	48	2	0	0	4	2	0	2	2	1
BLOCK 16	0	0	15	10	0	3	0	1	5	0	14	4
BLOCK 17	0	0	35	66	0	17	3	4	0	1	46	4
BLOCK 18	1	0	9	89	3	4	1	0	0	0	67	0
TOTAL	140	300	295	522	208	275	111	229	124	263	201	245

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 58): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741	1743	1748	1752
DAY 22 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	35	34	125	70	113	30	87	74	100	121	90	73
BLOCK 2	48	38	22	46	76	61	24	44	59	75	0	41
BLOCK 3	15	77	35	75	63	49	1	23	2	9	0	31
BLOCK 4	4	4	0	83	29	46	0	21	10	3	0	106
BLOCK 5	0	5	1	6	31	0	0	19	3	18	0	55
BLOCK 6	0	52	13	10	0	15	0	59	1	59	0	0
BLOCK 7	0	92	1	35	3	46	2	7	0	57	0	0
BLOCK 8	0	17	0	1	0	7	0	0	0	4	2	2
BLOCK 9	0	0	2	0	0	0	0	0	0	0	0	4
BLOCK 10	0	0	0	10	0	0	0	0	0	0	0	2
BLOCK 11	0	0	0	9	13	1	4	0	0	0	0	0
BLOCK 12	0	0	0	0	0	0	0	0	0	0	0	1
BLOCK 13	0	0	9	1	0	0	0	0	0	1	0	0
BLOCK 14	0	1	7	0	0	0	0	0	0	0	1	0
BLOCK 15	0	0	45	0	0	0	1	1	0	0	0	0
BLOCK 16	0	0	7	6	0	0	0	1	4	0	6	1
BLOCK 17	0	0	31	83	0	15	0	1	0	0	60	4
BLOCK 18	0	0	5	124	1	4	0	0	0	0	54	0
TOTAL	102	320	303	559	329	274	119	250	179	347	213	320

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 59): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1766	1773	1778	1784	1788	1789	1793	1798
DAY 22 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	47	25	57	58	55	68	34	79
BLOCK 2	66	23	20	44	75	64	53	54
BLOCK 3	72	14	4	39	35	21	55	73
BLOCK 4	32	16	27	0	32	0	39	59
BLOCK 5	77	0	54	2	19	47	41	47
BLOCK 6	47	0	7	1	36	56	42	46
BLOCK 7	61	0	0	3	61	59	47	63
BLOCK 8	65	0	10	0	59	68	45	59
BLOCK 9	33	0	0	1	20	11	48	55
BLOCK 10	4	0	2	0	15	1	14	41
BLOCK 11	3	1	0	1	30	7	3	71
BLOCK 12	1	4	10	1	53	0	0	68
BLOCK 13	8	0	44	0	7	2	0	69
BLOCK 14	3	0	9	1	0	2	2	53
BLOCK 15	2	1	0	4	0	0	1	13
BLOCK 16	1	0	0	1	1	0	2	0
BLOCK 17	3	0	3	1	0	6	1	3
BLOCK 18	2	0	0	0	0	2	0	0
TOTAL	527	84	247	157	498	414	427	853

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 60): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1766	1773	1778	1784	1788	1789	1793	1798
DAY 22 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	93	25	107	98	82	127	73	111
BLOCK 2	96	14	16	58	119	82	98	85
BLOCK 3	114	4	4	62	55	14	92	166
BLOCK 4	32	13	17	0	46	0	64	61
BLOCK 5	83	0	76	0	13	65	69	62
BLOCK 6	60	0	4	0	45	132	57	42
BLOCK 7	70	0	0	1	84	123	91	86
BLOCK 8	90	0	5	0	89	91	75	126
BLOCK 9	25	0	0	0	14	8	50	102
BLOCK 10	1	0	0	0	10	0	13	36
BLOCK 11	1	0	0	0	29	3	5	119
BLOCK 12	0	1	15	0	92	0	0	91
BLOCK 13	4	0	64	0	2	0	0	146
BLOCK 14	1	0	8	0	0	0	1	48
BLOCK 15	0	0	0	1	0	0	0	4
BLOCK 16	0	0	0	2	0	0	4	0
BLOCK 17	1	0	1	0	0	3	0	2
BLOCK 18	1	0	0	0	0	0	0	0
TOTAL	672	57	317	222	680	648	692	1287

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 61): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY											
RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762	1767	1768	1770
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	68	64	69	70	69	61	65	67	55	62	56	54
BLOCK 2	62	62	60	81	57	64	72	59	66	72	79	68
BLOCK 3	60	65	71	70	70	68	75	57	69	65	62	69
BLOCK 4	65	64	76	67	53	63	66	63	88	69	68	59
BLOCK 5	41	61	71	80	66	33	67	70	72	54	55	59
BLOCK 6	48	73	79	73	36	1	71	57	73	53	59	60
BLOCK 7	55	53	74	44	30	0	63	48	65	71	79	54
BLOCK 8	28	44	62	18	35	2	74	57	73	78	53	62
BLOCK 9	51	41	68	1	31	0	81	47	74	62	57	55
BLOCK 10	64	6	53	36	0	0	63	49	72	51	5	61
BLOCK 11	57	1	51	55	0	1	33	50	56	54	0	68
BLOCK 12	27	1	53	60	0	50	3	9	42	63	0	46
BLOCK 13	1	0	25	69	0	65	5	0	60	68	3	70
BLOCK 14	3	1	2	15	1	35	2	0	51	76	0	64
BLOCK 15	64	1	0	2	2	0	2	28	49	66	1	65
BLOCK 16	54	28	0	9	2	2	1	39	69	66	0	30
BLOCK 17	54	57	0	3	1	1	3	59	59	19	0	16
BLOCK 18	50	52	0	2	0	0	61	60	64	5	0	0
TOTAL	852	674	814	755	453	446	807	819	1157	1054	577	960

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 62): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

RAT NUMBER	1702	1708	1722	1731	1736	1747	1750	1757	1762	1767	1768	1770
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	211	189	193	230	154	160	199	163	242	208	224	184
BLOCK 2	144	153	187	168	132	171	160	96	209	213	193	192
BLOCK 3	108	142	152	168	107	118	143	88	158	195	201	190
BLOCK 4	88	164	178	119	178	101	120	81	183	186	135	157
BLOCK 5	145	136	125	145	84	51	142	110	173	184	144	157
BLOCK 6	69	105	158	71	49	0	94	82	174	137	103	167
BLOCK 7	93	104	103	40	14	0	114	76	167	151	130	173
BLOCK 8	37	74	69	12	29	1	82	95	170	187	103	122
BLOCK 9	69	48	118	0	19	0	108	42	125	167	95	166
BLOCK 10	194	5	81	33	0	0	108	49	147	199	1	139
BLOCK 11	77	1	50	176	0	0	37	63	42	140	0	129
BLOCK 12	30	0	47	109	0	106	1	3	45	194	0	106
BLOCK 13	0	0	19	65	0	106	4	0	78	158	0	84
BLOCK 14	1	0	0	8	0	36	0	0	47	130	0	107
BLOCK 15	93	0	0	1	1	0	1	37	138	141	3	84
BLOCK 16	81	33	0	3	0	0	0	33	179	125	0	26
BLOCK 17	67	98	0	0	0	0	0	144	115	14	0	10
BLOCK 18	65	86	0	0	0	0	77	121	84	1	0	0
TOTAL	1572	1338	1480	1348	767	850	1390	1283	2476	2730	1332	2193

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 63): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1772	1777	1781	1785	1786	1790	1794	1796
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	58	61	56	61	66	81	58	51
BLOCK 2	60	73	63	60	64	64	55	54
BLOCK 3	61	60	61	75	52	70	74	65
BLOCK 4	58	47	54	59	64	82	61	50
BLOCK 5	49	59	72	39	58	66	48	59
BLOCK 6	69	55	56	60	69	64	55	61
BLOCK 7	45	57	60	63	71	48	46	65
BLOCK 8	59	73	48	59	62	23	25	50
BLOCK 9	46	40	58	83	67	29	31	36
BLOCK 10	41	52	42	56	72	59	67	64
BLOCK 11	60	11	67	65	66	64	42	54
BLOCK 12	54	14	59	59	62	64	29	36
BLOCK 13	40	48	63	63	25	65	2	0
BLOCK 14	3	58	63	65	0	50	0	1
BLOCK 15	5	58	40	80	5	33	8	32
BLOCK 16	0	12	78	27	23	6	0	58
BLOCK 17	0	0	68	13	77	31	5	52
BLOCK 18	4	0	61	0	59	61	0	33
TOTAL	712	778	1069	987	962	960	606	821

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 64): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP I	0 (CARRIER) MG/KG/DAY							
RAT NUMBER	1772	1777	1781	1785	1786	1790	1794	1796
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	221	198	239	224	183	201	238	208
BLOCK 2	194	180	228	128	209	208	223	220
BLOCK 3	191	186	195	134	223	154	151	206
BLOCK 4	199	68	241	112	141	156	102	153
BLOCK 5	144	102	183	54	135	165	83	142
BLOCK 6	109	107	194	112	167	104	73	178
BLOCK 7	147	110	213	76	177	46	59	140
BLOCK 8	93	78	158	127	184	16	18	114
BLOCK 9	62	54	129	134	156	24	39	57
BLOCK 10	51	87	122	92	121	81	86	103
BLOCK 11	135	4	92	95	180	186	104	100
BLOCK 12	58	4	190	68	125	130	80	58
BLOCK 13	48	65	133	75	36	53	0	0
BLOCK 14	1	144	117	80	0	64	0	0
BLOCK 15	2	73	121	83	1	35	5	34
BLOCK 16	0	9	100	16	36	3	0	159
BLOCK 17	0	0	141	7	149	20	2	98
BLOCK 18	2	0	118	0	139	55	0	50
TOTAL	1657	1469	2914	1617	2362	1701	1263	2020

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 65): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY											
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753	1755	1756	1760
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	68	68	43	64	58	61	66	74	67	76	75	53
BLOCK 2	55	65	37	72	57	74	84	63	60	75	61	59
BLOCK 3	68	88	63	76	67	85	88	61	46	74	71	67
BLOCK 4	53	72	55	68	70	74	88	50	65	69	42	89
BLOCK 5	61	79	60	77	73	72	93	40	58	91	46	88
BLOCK 6	61	62	67	64	57	84	70	36	38	75	77	81
BLOCK 7	53	81	56	60	16	86	79	36	62	69	71	84
BLOCK 8	35	52	52	69	0	88	88	1	28	65	51	77
BLOCK 9	0	0	59	64	3	87	77	2	0	52	67	52
BLOCK 10	0	2	51	73	1	78	86	0	1	2	63	0
BLOCK 11	0	2	34	29	6	83	76	0	0	6	72	11
BLOCK 12	3	23	29	54	53	81	80	42	7	0	39	0
BLOCK 13	1	72	69	34	71	69	51	64	55	0	19	0
BLOCK 14	1	81	62	7	59	1	34	24	30	44	0	0
BLOCK 15	1	50	50	0	57	0	1	47	1	77	0	57
BLOCK 16	27	55	48	0	21	0	0	7	0	67	0	68
BLOCK 17	41	2	64	0	1	32	4	1	1	66	0	67
BLOCK 18	6	4	19	28	2	73	5	1	0	5	0	24
TOTAL	534	858	918	839	672	1128	1070	549	519	913	754	877

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 66): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP 11	0.1 MG/KG/DAY											
RAT NUMBER	1705	1706	1711	1712	1713	1718	1734	1746	1753	1755	1756	1760
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	182	213	255	229	227	223	190	181	186	201	209	246
BLOCK 2	101	190	230	162	198	148	154	162	225	203	154	248
BLOCK 3	111	193	227	119	161	196	136	94	129	155	162	203
BLOCK 4	110	103	156	172	192	170	165	141	150	161	112	175
BLOCK 5	123	167	140	181	197	148	155	62	117	143	119	169
BLOCK 6	105	171	173	158	109	122	214	47	57	157	161	170
BLOCK 7	95	146	180	118	15	181	146	40	163	97	140	173
BLOCK 8	37	51	171	108	0	171	125	0	36	153	107	162
BLOCK 9	0	0	140	74	0	144	89	1	0	63	115	85
BLOCK 10	0	0	86	127	0	127	149	0	0	2	160	0
BLOCK 11	0	0	45	21	4	156	129	0	0	4	139	4
BLOCK 12	1	22	43	94	108	95	150	59	4	0	88	0
BLOCK 13	0	142	118	26	142	163	30	125	94	0	22	0
BLOCK 14	1	89	104	4	103	0	35	21	37	62	0	0
BLOCK 15	1	59	175	0	150	0	0	51	0	95	0	110
BLOCK 16	31	36	70	0	19	0	0	1	0	83	0	114
BLOCK 17	75	0	104	0	0	41	2	0	0	69	0	130
BLOCK 18	6	0	18	26	1	167	3	0	0	4	0	32
TOTAL	979	1582	2435	1619	1626	2252	1872	985	1198	1652	1688	2021

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 67): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1763	1769	1771	1775	1779	1782	1795	1800
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	59	78	36	61	75	64	58	56
BLOCK 2	67	72	58	65	88	56	74	65
BLOCK 3	72	78	55	65	59	61	56	66
BLOCK 4	72	83	65	67	74	83	65	68
BLOCK 5	59	75	50	66	73	64	60	77
BLOCK 6	55	90	77	65	75	66	60	75
BLOCK 7	70	74	69	61	69	70	55	67
BLOCK 8	62	42	43	46	43	48	53	75
BLOCK 9	76	75	50	57	4	63	1	63
BLOCK 10	48	78	64	54	1	64	0	77
BLOCK 11	58	84	65	52	1	80	25	68
BLOCK 12	73	65	31	48	6	80	72	68
BLOCK 13	62	2	0	62	54	69	59	74
BLOCK 14	54	1	0	25	62	64	58	74
BLOCK 15	52	1	22	25	64	56	41	70
BLOCK 16	17	29	64	1	46	68	57	4
BLOCK 17	0	58	14	0	18	51	11	0
BLOCK 18	0	51	0	0	0	2	0	1
TOTAL	956	1036	763	820	812	1109	805	1048

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 68): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP II	0.1 MG/KG/DAY							
RAT NUMBER	1763	1769	1771	1775	1779	1782	1795	1800
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	203	195	277	212	201	223	203	213
BLOCK 2	205	160	229	165	186	238	184	193
BLOCK 3	175	138	215	134	168	212	194	187
BLOCK 4	130	154	101	158	126	195	172	153
BLOCK 5	149	158	75	130	146	196	126	142
BLOCK 6	67	152	160	108	121	149	134	164
BLOCK 7	145	175	117	132	146	199	98	105
BLOCK 8	108	59	86	145	48	204	60	131
BLOCK 9	115	114	71	99	2	118	0	147
BLOCK 10	137	109	189	81	0	151	0	137
BLOCK 11	66	115	184	69	0	126	17	139
BLOCK 12	141	100	23	41	0	139	139	78
BLOCK 13	98	2	0	92	95	119	81	80
BLOCK 14	72	0	0	23	149	181	152	137
BLOCK 15	55	0	16	26	93	123	259	93
BLOCK 16	17	27	105	0	66	102	96	3
BLOCK 17	0	94	7	0	15	69	20	0
BLOCK 18	0	50	0	0	0	2	0	0
TOTAL	1883	1802	1855	1615	1562	2746	1935	2102

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 69): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735	1742	1744
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	65	55	48	59	49	50	60	68	42	72	55	75
BLOCK 2	60	55	49	52	49	68	64	65	33	67	49	67
BLOCK 3	44	66	79	51	47	60	76	66	46	60	65	79
BLOCK 4	63	62	70	62	43	66	62	64	75	70	65	72
BLOCK 5	76	59	61	64	60	71	78	65	50	46	56	61
BLOCK 6	64	41	74	68	48	61	53	67	48	63	58	40
BLOCK 7	74	69	90	73	0	73	22	54	58	62	66	59
BLOCK 8	21	59	21	72	0	52	2	44	71	67	56	67
BLOCK 9	1	57	0	68	29	13	4	59	54	55	51	67
BLOCK 10	1	49	0	63	65	3	4	67	57	67	80	25
BLOCK 11	2	58	5	68	66	0	3	70	48	23	54	40
BLOCK 12	0	67	66	73	45	0	17	55	9	14	73	60
BLOCK 13	22	52	45	81	29	0	76	1	4	66	61	59
BLOCK 14	2	32	3	63	1	2	77	0	1	67	70	58
BLOCK 15	1	3	3	65	0	0	79	0	0	57	79	52
BLOCK 16	6	0	0	16	0	0	42	10	26	44	48	50
BLOCK 17	4	40	1	7	0	21	24	34	0	79	9	6
BLOCK 18	1	63	4	1	0	2	5	51	0	63	1	0
TOTAL	507	887	619	1006	531	542	748	840	622	1042	996	937

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 70): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY											
RAT NUMBER	1703	1704	1709	1715	1716	1717	1721	1725	1730	1735	1742	1744
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	195	238	263	223	231	215	235	190	272	205	221	209
BLOCK 2	106	189	244	252	207	198	208	168	275	192	237	203
BLOCK 3	44	180	216	207	183	160	121	143	231	147	199	165
BLOCK 4	83	180	239	203	85	121	185	105	209	169	180	187
BLOCK 5	166	182	207	212	142	132	127	107	228	169	125	135
BLOCK 6	156	113	233	164	67	147	66	77	144	134	141	69
BLOCK 7	106	180	153	204	0	197	10	61	157	215	153	134
BLOCK 8	12	129	18	96	0	115	0	65	179	181	115	111
BLOCK 9	0	100	0	187	61	8	1	75	203	129	117	92
BLOCK 10	0	98	0	147	140	2	0	125	101	76	157	16
BLOCK 11	0	113	3	189	236	0	2	139	152	14	168	66
BLOCK 12	0	177	184	102	98	0	15	53	15	9	104	82
BLOCK 13	19	161	75	142	35	0	144	0	3	116	113	130
BLOCK 14	1	45	1	191	1	0	129	0	0	107	159	114
BLOCK 15	0	0	0	126	0	0	110	0	0	99	106	110
BLOCK 16	2	0	0	9	0	0	44	5	49	30	48	60
BLOCK 17	2	72	1	3	0	13	11	41	0	130	20	3
BLOCK 18	1	113	3	0	0	0	4	158	0	86	0	0
TOTAL	893	2270	1840	2657	1486	1308	1412	1512	2218	2208	2363	1886

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 71): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1749	1754	1758	1761	1780	1791	1792	1799
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	62	65	63	54	67	64	67	66
BLOCK 2	64	60	65	61	72	59	59	87
BLOCK 3	67	72	72	70	87	65	64	63
BLOCK 4	66	69	69	48	66	63	60	55
BLOCK 5	76	81	69	56	66	61	69	54
BLOCK 6	75	68	75	57	58	57	51	69
BLOCK 7	64	58	61	75	38	51	47	52
BLOCK 8	22	69	46	63	0	64	54	68
BLOCK 9	0	74	50	55	0	25	10	37
BLOCK 10	38	81	55	64	22	47	3	2
BLOCK 11	67	70	61	64	60	39	0	0
BLOCK 12	59	54	54	66	64	33	37	2
BLOCK 13	55	18	72	48	55	12	32	1
BLOCK 14	74	1	21	53	17	0	3	1
BLOCK 15	42	1	0	57	14	6	0	1
BLOCK 16	0	0	1	0	1	1	14	0
BLOCK 17	0	1	0	3	0	19	61	5
BLOCK 18	3	3	3	0	0	30	25	2
TOTAL	834	845	837	894	687	696	656	565

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 72): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP III	1.0 MG/KG/DAY							
RAT NUMBER	1749	1754	1758	1761	1780	1791	1792	1799
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	177	235	207	231	219	230	198	207
BLOCK 2	144	204	142	207	209	204	194	193
BLOCK 3	134	202	112	175	194	159	162	189
BLOCK 4	145	167	136	169	105	97	120	143
BLOCK 5	155	174	148	179	106	155	116	95
BLOCK 6	160	196	105	167	64	134	106	91
BLOCK 7	125	191	68	116	22	166	134	63
BLOCK 8	23	169	70	153	0	74	68	116
BLOCK 9	0	130	59	165	0	37	2	35
BLOCK 10	58	168	65	163	29	96	3	1
BLOCK 11	130	73	116	104	95	57	0	0
BLOCK 12	77	44	61	92	92	27	60	1
BLOCK 13	126	9	84	53	47	19	50	0
BLOCK 14	159	0	19	181	9	0	0	0
BLOCK 15	45	0	0	69	9	1	0	0
BLOCK 16	0	0	0	0	0	0	9	0
BLOCK 17	0	0	0	1	0	20	127	1
BLOCK 18	0	1	0	0	0	31	39	0
TOTAL	1658	1963	1392	2225	1200	1507	1388	1135

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 73): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738	1739	1745	1751
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	69	66	73	64	56	59	58	49	56	61	78	48
BLOCK 2	75	73	78	81	70	68	46	54	60	68	86	61
BLOCK 3	83	79	74	71	66	73	72	61	69	65	80	57
BLOCK 4	69	67	66	60	58	60	66	56	74	72	76	52
BLOCK 5	74	34	75	88	69	83	61	68	81	54	81	46
BLOCK 6	71	0	63	64	72	76	53	73	68	78	57	46
BLOCK 7	72	0	2	81	58	63	60	35	56	63	68	43
BLOCK 8	75	1	3	60	60	72	71	66	76	46	69	49
BLOCK 9	45	21	0	52	71	58	20	56	62	54	74	31
BLOCK 10	0	75	0	47	57	68	4	5	2	15	63	31
BLOCK 11	0	53	8	67	68	1	0	0	1	0	9	47
BLOCK 12	0	56	0	93	54	5	3	1	1	0	3	38
BLOCK 13	0	0	22	64	67	2	4	0	3	23	2	20
BLOCK 14	0	1	73	73	69	0	1	32	1	63	0	39
BLOCK 15	3	0	80	30	56	1	2	49	9	65	5	48
BLOCK 16	39	2	71	17	33	35	5	67	7	79	0	40
BLOCK 17	69	2	71	77	22	32	65	61	3	93	45	20
BLOCK 18	62	7	75	40	0	1	49	36	1	65	75	3
TOTAL	806	537	834	1129	1006	757	640	769	630	964	871	719

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 74): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY											
RAT NUMBER	1701	1707	1714	1719	1726	1729	1732	1733	1738	1739	1745	1751
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	209	230	215	190	220	177	212	255	238	233	182	223
BLOCK 2	206	164	183	185	139	173	205	250	214	225	167	181
BLOCK 3	168	106	201	121	161	164	162	146	172	196	138	157
BLOCK 4	147	120	171	160	106	140	130	142	192	167	102	151
BLOCK 5	114	26	177	138	142	143	145	138	165	157	124	113
BLOCK 6	139	0	76	108	136	114	150	134	204	142	145	70
BLOCK 7	117	0	0	77	178	46	125	123	76	128	96	113
BLOCK 8	115	0	0	192	126	127	136	126	108	95	109	125
BLOCK 9	56	17	0	85	111	106	25	74	136	63	102	65
BLOCK 10	0	99	0	57	129	98	0	1	0	8	84	55
BLOCK 11	0	143	6	87	143	0	0	0	0	0	4	113
BLOCK 12	0	66	0	102	89	1	0	0	0	0	1	111
BLOCK 13	0	0	20	76	103	0	1	0	0	38	0	59
BLOCK 14	0	0	132	92	87	0	0	35	0	110	0	80
BLOCK 15	0	0	146	22	76	0	1	55	4	78	1	112
BLOCK 16	39	1	176	5	28	42	1	159	6	163	0	95
BLOCK 17	100	1	147	140	13	32	113	136	2	113	60	28
BLOCK 18	133	5	99	41	0	0	151	25	0	93	117	1
TOTAL	1543	978	1749	1878	1987	1363	1557	1799	1517	2009	1432	1852

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 75): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1759	1764	1765	1774	1776	1783	1787	1797
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	66	70	65	54	44	72	62	56
BLOCK 2	75	69	65	64	47	69	63	80
BLOCK 3	67	72	69	69	47	81	69	64
BLOCK 4	56	57	55	64	49	63	62	70
BLOCK 5	66	48	65	74	64	73	52	65
BLOCK 6	46	67	73	68	49	55	42	62
BLOCK 7	43	56	52	64	55	36	33	58
BLOCK 8	68	25	39	66	55	2	27	68
BLOCK 9	48	11	48	96	51	34	0	42
BLOCK 10	36	0	59	76	54	90	0	45
BLOCK 11	39	1	49	73	52	77	0	39
BLOCK 12	53	1	14	57	69	79	39	45
BLOCK 13	52	39	0	74	25	38	71	46
BLOCK 14	11	71	44	85	64	16	55	5
BLOCK 15	0	47	27	56	59	12	54	1
BLOCK 16	3	73	0	50	42	10	2	0
BLOCK 17	1	40	1	6	58	3	0	0
BLOCK 18	0	0	2	3	12	2	0	3
TOTAL	730	747	727	1099	896	812	631	749

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 76): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP IV	3.0 MG/KG/DAY							
RAT NUMBER	1759	1764	1765	1774	1776	1783	1787	1797
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	175	190	219	253	254	214	176	181
BLOCK 2	177	193	182	222	221	232	200	120
BLOCK 3	167	172	131	192	212	204	183	138
BLOCK 4	122	122	181	168	168	109	151	151
BLOCK 5	157	45	92	171	173	92	97	164
BLOCK 6	134	69	131	115	187	65	92	114
BLOCK 7	103	77	69	210	132	17	73	105
BLOCK 8	125	16	55	124	94	1	18	125
BLOCK 9	140	6	133	146	133	31	0	45
BLOCK 10	63	0	92	162	136	142	0	62
BLOCK 11	58	0	82	86	108	110	0	47
BLOCK 12	136	0	16	78	106	172	65	80
BLOCK 13	84	55	0	131	18	41	109	55
BLOCK 14	8	125	72	86	58	11	158	1
BLOCK 15	0	81	22	58	133	4	62	0
BLOCK 16	0	80	0	40	220	5	0	0
BLOCK 17	0	30	1	1	97	3	0	0
BLOCK 18	0	0	1	1	16	0	0	3
TOTAL	1649	1261	1479	2244	2466	1453	1384	1391

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 77): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741	1743	1748	1752
DAY 59 POSTPARTUM:												
NUMBER OF MOVEMENTS												
BLOCK 1	70	80	61	71	60	53	66	57	60	61	69	52
BLOCK 2	71	73	76	74	74	64	80	69	42	54	71	63
BLOCK 3	65	63	61	74	62	50	74	71	47	71	91	55
BLOCK 4	72	64	58	78	63	43	67	74	47	64	64	52
BLOCK 5	66	66	65	80	70	73	82	84	55	64	87	63
BLOCK 6	48	16	51	76	61	60	70	71	55	66	66	43
BLOCK 7	28	3	70	38	61	61	82	65	42	49	68	3
BLOCK 8	2	0	59	12	61	10	76	65	53	64	52	2
BLOCK 9	12	28	71	0	55	1	58	69	64	71	17	5
BLOCK 10	71	90	57	0	62	62	69	72	42	48	0	0
BLOCK 11	74	67	39	31	63	53	53	74	3	67	4	4
BLOCK 12	56	71	66	58	60	62	11	68	1	63	1	0
BLOCK 13	74	42	60	87	28	47	0	63	10	67	25	6
BLOCK 14	22	1	89	76	8	53	7	78	2	61	83	75
BLOCK 15	2	1	68	34	0	67	3	44	43	51	71	57
BLOCK 16	0	3	66	23	0	74	0	62	52	14	82	55
BLOCK 17	1	7	28	6	0	68	1	52	61	0	59	4
BLOCK 18	1	3	49	0	2	44	0	59	32	0	23	2
TOTAL	735	678	1086	818	790	945	799	1197	711	935	933	541

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 78): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY											
RAT NUMBER	1710	1720	1723	1724	1727	1728	1737	1740	1741	1743	1748	1752
DAY 59 POSTPARTUM:												
TIME (SECONDS) SPENT IN MOVEMENT												
BLOCK 1	182	208	210	174	209	228	221	192	222	219	227	244
BLOCK 2	137	182	152	124	168	156	183	182	270	172	208	237
BLOCK 3	168	104	85	156	172	130	168	166	212	136	154	212
BLOCK 4	159	117	150	153	119	164	188	124	208	164	146	163
BLOCK 5	162	80	137	137	162	158	160	133	194	159	161	125
BLOCK 6	50	6	110	166	163	152	115	140	177	199	172	54
BLOCK 7	18	0	88	50	102	68	144	188	219	60	69	1
BLOCK 8	1	0	93	7	102	4	99	120	135	119	46	0
BLOCK 9	12	24	114	0	133	0	118	104	212	120	11	3
BLOCK 10	132	153	91	0	138	72	91	130	71	189	0	0
BLOCK 11	137	65	62	32	152	68	71	59	2	132	0	1
BLOCK 12	113	148	92	61	173	104	4	67	0	124	0	0
BLOCK 13	127	25	127	94	63	95	0	88	8	147	18	14
BLOCK 14	14	1	102	130	7	197	3	154	0	114	121	129
BLOCK 15	0	1	161	31	0	100	0	51	113	72	118	138
BLOCK 16	0	1	75	11	0	90	0	82	114	11	123	105
BLOCK 17	0	4	17	3	0	114	0	115	195	0	45	8
BLOCK 18	0	1	72	0	0	59	0	43	106	0	14	0
TOTAL	1412	1120	1938	1329	1863	1959	1565	2138	2458	2137	1633	1434

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 79): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1766	1773	1778	1784	1788	1789	1793	1798
DAY 59 POSTPARTUM:								
NUMBER OF MOVEMENTS								
BLOCK 1	70	56	55	65	54	66	72	66
BLOCK 2	71	69	48	55	63	65	63	59
BLOCK 3	70	77	53	70	62	64	54	69
BLOCK 4	69	68	51	60	73	74	61	69
BLOCK 5	70	60	52	63	69	59	50	62
BLOCK 6	83	40	20	57	65	82	66	55
BLOCK 7	79	52	58	56	70	66	72	73
BLOCK 8	57	0	48	59	59	89	68	45
BLOCK 9	54	0	52	47	52	72	67	26
BLOCK 10	68	1	35	9	57	70	51	1
BLOCK 11	65	0	2	5	33	47	66	5
BLOCK 12	61	28	0	9	0	68	63	4
BLOCK 13	19	34	0	44	7	64	56	9
BLOCK 14	3	77	1	60	0	81	52	74
BLOCK 15	1	33	0	49	14	76	55	61
BLOCK 16	24	4	0	10	54	58	53	58
BLOCK 17	73	1	13	2	71	2	65	54
BLOCK 18	78	1	42	2	65	0	61	21
TOTAL	1015	601	530	722	868	1103	1095	811

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F8 (PAGE 80): MOTOR ACTIVITY - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP V	10.0 MG/KG/DAY							
RAT NUMBER	1766	1773	1778	1784	1788	1789	1793	1798
DAY 59 POSTPARTUM:								
TIME (SECONDS) SPENT IN MOVEMENT								
BLOCK 1	212	225	236	217	225	232	205	227
BLOCK 2	215	146	208	154	215	213	171	212
BLOCK 3	176	156	146	153	198	218	138	218
BLOCK 4	202	164	107	140	180	168	131	130
BLOCK 5	124	130	96	114	182	104	200	139
BLOCK 6	153	47	24	87	154	147	165	129
BLOCK 7	167	82	96	167	134	184	129	77
BLOCK 8	90	0	98	87	120	152	112	49
BLOCK 9	115	0	222	47	150	113	205	15
BLOCK 10	154	0	120	6	60	65	156	0
BLOCK 11	159	0	0	4	54	53	143	1
BLOCK 12	122	27	0	4	0	105	123	0
BLOCK 13	25	47	0	52	5	73	75	7
BLOCK 14	0	119	1	158	0	137	56	148
BLOCK 15	0	34	0	54	6	147	144	177
BLOCK 16	20	1	0	9	75	73	75	118
BLOCK 17	135	0	18	0	150	0	101	43
BLOCK 18	135	1	96	1	197	0	102	16
TOTAL	2204	1179	1468	1454	2105	2184	2431	1706

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 1): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1402	67.4	100.1	102.5	82.6	91.3	91.0	93.5
1408	51.0	125.2	97.1	103.9	107.3	106.4	108.0
1422	63.1	122.5	101.8	116.4	92.0	90.7	104.7
1431	56.2	106.3	80.4	73.9	73.2	77.4	82.2
1436	67.9	149.7	150.4	120.8	131.9	129.6	136.5
1447	63.5	118.3	109.3	126.8	108.6	112.3	115.0
1450	68.5	147.6	152.9	158.8	153.0	173.5	157.2
1457	66.6	116.1	110.4	101.2	112.7	108.6	109.8
1462	59.8	128.3	86.7	110.0	88.5	94.9	101.7
1467	67.6	153.8	116.6	102.2	113.7	105.0	118.3
1468	85.6	182.1	147.5	129.8	129.7	125.0	142.8
1470	70.2	115.2	103.0	99.2	100.2	101.5	103.8
1472	65.1	171.8	137.8	136.1	127.9	130.5	140.8
1477	72.6	166.0	158.6	147.5	118.2	141.0	146.2
1481	59.4	120.6	109.9	107.2	107.4	107.4	110.5
1485	63.0	146.8	163.9	161.9	152.6	154.6	156.0
1486	63.6	121.0	121.4	122.3	150.5	161.4	135.3
1490	72.8	140.4	121.1	126.3	122.0	125.4	127.0
1494	61.9	141.0	113.9	98.3	104.4	94.6	110.4
1496	69.0	127.1	102.6	99.8	110.7	118.1	111.6

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 2): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1405	49.0	100.9	88.2	84.1	86.4	83.9	88.7
1406	70.2	170.0	139.2	130.8	144.0	133.1	143.4
1411	62.9	119.6	114.4	91.9	98.3	110.1	106.8
1412	65.1	128.9	119.3	115.7	106.9	115.6	117.3
1413	56.8	188.7	133.2	148.0	122.1	115.1	141.4
1418	70.2	147.5	143.4	135.5	124.3	121.8	134.5
1434	63.0	128.8	119.8	107.8	130.9	106.4	118.7
1446	68.4	162.0	105.1	129.2	126.9	112.4	127.1
1453	64.6	118.7	95.2	87.3	93.5	92.0	97.3
1455	58.5	128.9	126.4	107.5	137.3	114.7	123.0
1456	57.0	107.6	109.2	95.1	95.9	111.9	103.9
1460	61.6	120.7	95.4	82.7	100.2	90.1	97.8
1463	58.6	105.1	100.5	91.1	90.3	86.4	94.7
1469	67.2	170.9	179.7	188.5	197.3	195.7	186.4
1471	75.8	210.8	164.1	158.3	153.7	166.2	170.6
1475	63.2	149.2	127.6	116.5	116.6	128.3	127.6
1479	67.8	126.7	112.4	113.4	115.9	100.5	113.8
1482	72.6	161.6	130.0	130.6	140.1	113.2	135.1
1495	72.2	169.6	144.1	133.5	117.9	109.4	134.9
1500	45.1	134.4	129.5	135.4	118.5	124.6	128.5

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 3): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1403	67.6	112.2	94.5	95.7	103.1	92.1	99.5
1404	60.0	107.4	90.6	84.6	96.9	112.5	98.4
1409	58.5	123.2	111.2	91.8	94.4	94.2	103.0
1415	68.9	112.8	96.4	93.9	88.8	87.3	95.8
1416	51.8	89.4	84.3	79.6	71.9	91.4	83.3
1417	64.0	117.6	110.9	94.7	102.7	103.9	106.0
1421	61.0	131.1	113.0	109.2	129.9	116.4	119.9
1425	60.0	146.9	120.2	121.8	125.4	100.3	122.9
1430	64.5	181.6	134.6	154.3	131.0	142.1	148.7
1435	77.8	173.8	160.0	163.3	143.3	135.2	155.1
1442	75.2	122.4	115.4	114.7	108.2	103.3	112.8
1444	66.9	106.1	93.3	89.0	90.2	92.8	94.3
1449	72.7	144.3	118.9	116.8	112.7	120.8	122.7
1454	53.0	96.3	87.7	80.5	84.2	80.9	85.9
1458	62.6	160.6	110.3	107.0	114.8	112.6	121.0
1461	70.0	161.3	150.3	150.1	130.5	146.2	147.7
1480	76.4	140.0	131.1	106.4	120.3	144.6	128.5
1491	64.4	127.3	112.8	107.4	107.4	103.8	111.7
1492	68.9	120.6	102.6	102.0	97.3	116.2	107.7
1499	58.4	159.5	151.9	139.0	149.4	145.3	149.0

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 4): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1401	53.8	116.2	106.8	111.6	106.2	84.5	105.0
1407	68.6	122.7	96.9	103.9	91.6	99.7	103.0
1414	65.2	103.2	84.2	86.7	105.9	104.4	96.9
1419	67.8	146.7	147.9	136.3	99.5	116.3	129.3
1426	70.2	130.5	127.9	126.9	108.5	111.4	121.0
1429	67.1	169.9	156.7	111.6	113.4	146.2	139.6
1432	60.9	108.6	97.3	97.4	95.3	100.8	99.9
1433	52.9	114.1	112.4	98.1	95.0	94.4	102.8
1438	67.4	132.6	106.9	115.8	102.6	135.0	118.6
1439	63.2	154.0	138.8	117.5	130.1	143.4	136.8
1445	74.9	139.4	143.7	130.0	116.3	150.0	135.9
1451	53.6	93.7	85.4	90.5	89.0	80.9	87.9
1459	58.8	108.2	115.4	100.8	97.9	101.1	104.7
1464	61.0	111.9	105.8	100.3	91.9	86.8	99.3
1465	67.6	101.8	97.4	111.0	140.3	100.2	110.1
1474	62.8	112.1	99.1	111.3	87.7	105.9	103.2
1476	58.0	141.2	128.6	117.0	100.0	113.5	120.0
1483	76.1	133.0	114.5	122.6	135.1	117.2	124.5
1487	63.0	116.1	104.7	100.0	99.7	98.2	103.7
1497	69.0	161.5	134.2	121.9	142.7	128.7	137.8

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 5): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1410	68.8	140.7	139.7	112.7	111.7	118.5	124.6
1420	67.0	137.8	144.9	139.7	143.8	132.2	139.7
1423	74.9	142.1	132.3	122.0	120.5	128.9	129.2
1424	69.0	243.7	194.1	197.1	155.1	192.9	196.6
1427	75.0	130.9	117.3	109.4	116.1	119.7	118.7
1428	58.8	108.2	111.5	111.3	109.7	108.9	109.9
1437	65.3	92.8	97.3	84.7	87.2	83.2	89.0
1440	62.5	152.1	112.9	125.6	131.9	97.7	124.0
1441	62.8	117.2	112.6	112.2	100.8	114.1	111.4
1443	62.8	129.3	109.9	132.5	133.4	102.2	121.4
1448	72.4	154.2	149.8	147.7	147.4	121.3	144.1
1452	59.0	116.9	110.3	114.1	109.2	134.3	117.0
1466	50.2	90.1	97.9	77.8	82.7	75.1	84.7
1473	56.8	124.6	111.9	96.3	100.2	92.6	105.1
1478	68.9	170.2	156.4	149.7	135.5	138.9	150.1
1484	64.6	173.3	150.3	128.6	113.3	128.8	138.9
1488	76.4	172.1	169.8	154.8	152.7	157.1	161.3
1489	78.7	216.6	189.2	178.0	171.3	187.5	188.5
1493	68.2	151.1	150.9	135.8	132.0	126.5	139.2
1498	72.9	122.4	93.1	88.5	89.3	86.2	95.9

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 6): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1402	372.3	562.5	469.0	479.5	456.0	478.5	489.1
1408	315.8	543.0	462.0	426.0	417.5	440.0	457.7
1422	363.0	430.0	415.5	420.0	410.0	390.5	413.2
1431	358.6	724.5	609.5	493.5	505.0	523.0	571.1
1436	342.1	561.0	545.5	459.0	440.0	537.5	508.6
1447	385.4	682.0	668.5	538.0	462.5	478.5	565.9
1450	394.0	505.5	515.0	492.5	443.0	479.0	487.0
1457	324.2	483.5	386.0	441.5	390.0	409.5	422.1
1462	376.5	486.5	484.5	505.0	498.5	433.0	481.5
1467	405.4	571.0	519.0	496.0	458.5	457.5	500.4
1468	396.0	511.0	505.0	456.5	431.0	485.0	477.7
1470	344.8	407.0	405.5	419.5	381.5	405.0	403.7
1472	394.8	521.5	525.5	549.5	515.5	514.5	525.3
1477	386.4	653.5	551.5	547.5	496.0	485.0	546.7
1481	340.8	731.0	715.5	544.0	445.0	533.5	593.8
1485	338.4	527.0	430.5	466.0	413.0	398.5	447.0
1486	330.9	675.0	656.0	398.5	398.5	399.5	505.5
1490	386.2	582.5	462.0	480.0	488.5	459.5	494.5
1494	304.6	360.5	339.5	335.0	354.0	329.5	343.7
1496	353.4	512.0	432.5	460.5	434.0	403.5	448.5

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 7): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1405	336.0	633.5	548.5	531.5	568.5	606.0	577.6
1406	407.4	608.0	557.0	507.5	623.5	556.0	570.4
1411	391.4	632.5	495.0	459.5	475.5	456.0	503.7
1412	346.0	630.5	692.0	558.0	579.5	483.0	588.6
1413	356.0	628.0	571.5	539.5	601.0	548.0	577.6
1418	338.8	431.0	383.0	418.5	406.0	401.0	407.9
1434	377.3	621.0	536.0	520.5	567.0	546.0	558.1
1446	367.0	424.5	466.5	449.5	402.0	410.0	430.5
1453	366.4	485.5	407.5	413.0	423.0	393.5	424.5
1455	339.8	434.0	412.0	433.0	390.0	381.5	410.1
1456	390.8	530.5	520.0	525.0	485.0	453.5	502.8
1460	308.2	442.0	416.0	396.0	416.5	370.0	408.1
1463	361.9	490.5	414.0	415.5	422.0	400.0	428.4
1469	345.6	695.0	808.0	588.5	532.5	646.5	654.1
1471	435.1	633.5	628.0	572.0	551.0	576.0	592.1
1475	341.8	475.5	455.5	427.5	427.5	434.5	444.1
1479	362.5	502.0	463.0	499.5	489.5	442.5	479.3
1482	371.8	580.0	560.0	523.0	531.5	506.0	540.1
1495	364.1	685.0	757.0	593.0	494.0	476.0	601.0
1500	331.0	691.5	650.0	722.5	614.5	597.0	655.1

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 8): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1403	370.6	434.0	442.5	412.0	406.0	412.0	421.3
1404	360.9	560.0	460.5	517.5	498.0	548.0	516.8
1409	329.6	641.5	543.5	504.0	549.5	566.5	561.0
1415	373.1	592.0	519.0	470.5	508.5	413.0	500.6
1416	303.2	416.5	378.5	376.5	339.5	419.0	386.0
1417	343.8	659.5	516.0	497.5	402.5	533.0	521.7
1421	370.3	518.5	427.5	465.0	457.0	433.5	460.3
1425	341.4	429.0	381.0	357.0	370.5	392.5	386.0
1430	343.0	550.0	499.5	494.5	482.5	490.0	503.3
1435	381.3	649.0	688.5	550.0	455.0	489.0	566.3
1442	405.8	566.0	460.0	506.5	457.5	456.0	489.2
1444	346.1	437.5	426.5	405.0	397.5	418.5	417.0
1449	343.4	461.0	399.5	388.5	395.0	407.5	410.3
1454	318.4	521.5	448.5	384.0	396.0	360.5	422.1
1458	356.2	473.0	430.5	401.0	398.0	418.0	424.1
1461	367.8	501.0	577.5	526.0	516.0	547.5	533.6
1480	376.6	601.5	564.5	533.5	450.5	496.0	529.2
1491	373.8	614.5	532.5	585.5	527.5	599.0	571.8
1492	348.2	591.0	820.5	742.5	474.0	438.0	613.2
1499	382.6	638.0	626.5	636.5	580.5	555.0	607.3

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STIMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 9): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 60 POSTPARTUM

MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1401	323.2	819.5	707.0	572.0	547.0	638.0	656.7
1407	389.8	492.5	428.5	431.0	409.0	410.5	434.3
1414	331.6	441.0	450.5	405.5	383.0	388.0	413.6
1419	427.0	613.5	535.5	574.0	540.5	552.5	563.2
1426	369.4	540.0	527.0	527.0	438.0	432.5	492.9
1429	362.0	797.0	555.0	576.0	507.5	455.0	578.1
1432	366.0	570.5	474.5	494.5	478.5	558.5	515.3
1433	329.6	532.5	477.0	400.0	428.0	421.0	451.7
1438	367.2	531.5	453.0	421.0	431.0	423.0	451.9
1439	344.0	540.0	467.5	527.5	491.0	446.5	494.5
1445	375.9	978.5	784.5	664.5	594.0	564.0	717.1
1451	308.4	416.0	394.0	370.0	376.0	374.0	386.0
1459	375.0	872.0	843.5	502.0	507.5	462.0	637.4
1464	339.2	495.5	397.0	403.0	401.5	359.0	411.2
1465	376.8	482.0	452.0	435.0	452.5	452.0	454.7
1474	365.0	532.0	561.5	547.5	495.0	476.0	522.4
1476	360.2	560.0	591.0	516.0	506.0	439.0	522.4
1483	412.6	716.5	603.5	529.5	618.0	567.0	606.9
1487	369.4	520.5	447.5	445.0	433.5	436.5	456.6
1497	372.6	634.5	622.0	747.5	792.5	705.0	700.3

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F9 (PAGE 10): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1410	421.0	804.0	752.5	756.0	603.5	554.0	694.0
1420	370.1	670.5	588.0	502.5	506.5	509.5	555.4
1423	382.2	559.0	485.5	487.0	513.5	524.5	513.9
1424	328.7	592.5	602.5	489.5	462.5	458.5	521.1
1427	391.8	883.0	847.5	667.0	596.5	556.5	710.1
1428	364.4	603.0	491.0	499.5	506.0	466.5	513.2
1437	347.2	440.5	397.5	392.5	404.0	373.5	401.6
1440	362.6	526.0	457.0	455.0	412.5	425.5	455.2
1441	365.1	574.5	450.0	459.5	463.5	453.5	480.2
1443	362.4	461.0	428.0	433.0	414.5	428.5	433.0
1448	425.8	556.0	483.0	451.0	496.5	526.5	502.6
1452	353.8	620.0	448.0	503.0	466.0	509.0	509.2
1466	325.7	597.5	539.5	540.5	509.5	399.5	517.3
1473	305.8	382.0	381.0	364.0	401.5	376.0	380.9
1478	373.0	447.5	414.5	406.0	416.0	426.5	422.1
1484	360.6	591.5	472.5	469.0	407.0	438.5	475.7
1488	444.9	809.0	651.5	637.0	544.5	571.0	642.6
1489	401.0	717.0	630.5	629.0	666.5	703.0	669.2
1493	345.2	444.5	440.0	411.5	417.5	410.5	424.8
1498	344.0	446.5	397.0	378.5	383.5	375.0	396.1

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 1): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP I 0 (CARRIER) MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1702	67.8	140.5	136.4	134.5	129.7	129.0	134.0
1708	47.6	152.6	127.0	121.6	108.6	108.5	123.6
1722	54.7	117.8	101.7	107.2	89.6	97.8	102.8
1731	53.2	129.7	114.9	91.5	90.1	87.2	102.7
1736	62.9	182.2	157.0	162.5	154.6	144.9	160.2
1747	64.2	150.9	131.2	118.9	128.9	128.3	131.6
1750	62.0	127.9	121.7	102.0	119.8	154.0	125.1
1757	64.4	156.0	124.5	150.6	138.7	123.3	138.6
1762	58.1	158.4	130.1	124.7	136.1	126.0	135.0
1767	56.0	120.2	94.3	87.9	102.5	90.9	99.2
1768	68.6	169.3	161.6	149.4	139.3	147.2	153.4
1770	73.4	220.6	193.3	174.1	143.8	164.2	179.2
1772	60.8	183.8	181.9	169.6	140.8	168.3	168.9
1777	69.0	149.0	109.9	99.9	124.0	108.7	118.3
1781	62.8	157.0	149.6	125.6	116.6	106.8	131.1
1785	62.0	94.3	92.9	93.9	91.7	85.7	91.7
1786	67.4	145.2	135.5	146.0	144.6	108.4	135.9
1790	64.4	118.9	113.7	111.9	95.8	128.4	113.7
1794	59.8	111.8	96.8	85.7	87.7	94.3	95.3
1796	65.0	133.7	122.5	109.5	112.5	109.6	117.6

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STIMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 2): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1705	47.3	128.5	123.2	113.6	109.1	120.3	118.9
1706	59.6	161.2	127.0	127.8	133.5	155.4	141.0
1711	61.0	144.3	121.6	123.5	99.3	117.3	121.2
1712	73.0	150.1	131.0	129.8	125.4	134.9	134.2
1713	47.2	103.9	91.2	108.6	80.7	86.9	94.3
1718	61.8	112.8	99.1	98.9	99.8	94.8	101.1
1734	56.0	129.7	108.6	125.2	147.1	136.8	129.5
1746	67.9	177.7	162.2	147.4	143.0	144.9	155.0
1753	59.9	107.5	88.4	82.8	91.3	85.5	91.1
1755	53.9	108.9	85.3	82.9	109.2	125.1	102.3
1756	54.6	125.3	107.7	124.5	110.8	82.0	110.0
1760	68.9	176.0	147.7	113.1	134.8	123.9	139.1
1763	54.9	99.0	92.0	123.3	118.0	122.9	111.0
1769	65.0	150.8	163.0	129.6	133.7	115.8	138.6
1771	76.0	193.7	161.5	167.5	182.0	198.9	180.7
1775	63.8	156.2	151.0	138.9	144.9	124.0	143.0
1779	65.0	130.9	157.0	180.5	167.0	136.6	154.4
1782	73.0	150.7	123.8	162.1	138.9	144.8	144.0
1795	62.0	137.7	132.1	117.2	108.1	110.1	121.0
1800	43.2	118.8	136.0	132.5	125.8	120.2	126.6

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 3): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1703	60.0	101.3	86.9	90.5	87.9	99.2	93.2
1704	62.2	152.6	133.0	125.2	127.9	112.4	130.2
1709	60.4	151.6	164.6	195.3	191.1	195.0	179.5
1715	64.5	182.5	160.1	131.3	125.0	131.9	146.2
1716	53.6	92.2	91.0	96.1	92.9	85.9	91.6
1717	55.6	168.3	142.6	131.5	153.5	124.8	144.1
1721	61.8	132.6	126.9	91.1	131.2	110.3	118.4
1725	56.6	104.6	86.6	86.3	87.0	76.4	88.2
1730	56.0	153.8	118.6	117.1	110.0	102.7	120.4
1735	68.8	168.1	108.8	127.3	142.6	142.3	137.8
1742	71.4	168.1	142.9	120.4	137.4	130.3	139.8
1744	60.8	141.7	116.1	85.6	96.1	99.8	107.8
1749	72.4	145.2	124.6	121.8	135.1	117.8	128.9
1754	49.0	98.9	99.8	107.2	113.5	92.4	102.4
1758	59.8	170.2	154.0	127.6	116.4	118.2	137.3
1761	74.5	154.1	128.5	137.6	121.5	139.4	136.2
1780	70.1	129.9	106.9	100.1	94.4	103.2	106.9
1791	59.7	100.2	108.8	112.4	103.9	95.2	104.1
1792	64.0	110.0	138.0	140.6	142.6	115.8	129.4
1799	55.4	139.8	95.9	90.8	88.1	107.1	104.3

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 4): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1701	50.9	114.4	93.9	85.4	108.6	97.7	100.0
1707	69.5	178.0	161.7	159.3	160.1	165.4	164.9
1714	69.1	123.0	109.6	106.3	102.8	99.4	108.2
1719	67.4	174.9	176.8	158.5	137.1	132.9	156.0
1726	61.1	145.0	103.8	124.7	142.8	139.5	131.2
1729	60.5	146.6	111.6	100.9	125.2	119.0	120.6
1732	65.0	147.2	98.9	106.0	123.5	127.8	120.7
1733	44.8	95.7	78.9	78.7	76.8	79.7	82.0
1738	68.4	167.5	161.6	154.4	162.5	155.3	160.2
1739	57.6	149.1	138.1	122.3	118.8	118.7	129.4
1745	75.0	154.2	164.2	130.5	114.2	114.8	135.6
1751	62.6	157.7	135.8	112.4	112.7	107.1	125.1
1759	64.2	103.4	126.2	129.0	106.4	95.4	112.1
1764	61.0	119.6	108.8	111.1	98.9	99.1	107.5
1765	64.6	130.0	122.5	109.6	113.3	114.1	117.9
1774	57.0	144.0	109.4	112.9	108.1	94.5	113.8
1776	54.2	145.1	114.4	125.3	155.0	110.8	130.1
1783	73.6	130.5	117.6	114.4	116.5	122.5	120.3
1787	58.2	113.6	107.2	98.6	89.6	97.7	101.3
1797	63.4	117.8	98.9	106.5	111.2	106.1	108.1

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 5): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 23 POSTPARTUM
MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1710	58.0	129.7	113.0	111.6	123.1	116.3	118.7
1720	63.4	198.7	128.8	132.1	155.5	165.6	156.1
1723	61.0	130.5	105.5	104.8	117.1	100.9	111.8
1724	62.0	163.4	159.1	132.5	106.6	117.9	135.9
1727	62.2	162.5	138.3	154.4	131.1	134.4	144.1
1728	54.4	114.5	127.9	111.7	111.7	105.1	114.2
1737	60.7	143.4	113.3	130.0	115.6	98.4	120.1
1740	62.2	138.0	123.0	117.1	109.8	112.4	120.0
1741	63.6	134.4	102.5	115.9	97.7	94.9	109.1
1743	65.6	190.5	168.4	138.7	128.5	123.2	149.9
1748	75.9	170.8	160.7	118.7	135.2	126.5	142.4
1752	55.2	139.6	144.3	129.7	93.8	87.1	118.9
1766	51.2	138.6	115.8	119.2	110.0	93.7	115.4
1773	51.4	117.9	112.4	102.7	122.1	83.6	107.7
1778	71.6	131.1	121.7	120.3	132.1	143.2	129.7
1784	54.0	153.9	133.8	114.3	128.1	132.7	132.6
1788	74.1	164.8	131.9	138.3	141.7	137.6	142.9
1789	72.5	162.6	170.9	134.2	144.8	154.2	153.3
1793	62.0	132.4	122.0	116.4	103.5	93.8	113.6
1798	63.0	144.8	132.2	101.2	97.8	107.1	116.6

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 6): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP 1 0 (CARRIER) MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1702	227.2	401.0	323.0	314.5	312.0	324.0	334.9
1708	186.6	365.5	268.5	243.5	238.5	233.0	269.8
1722	203.3	323.0	261.5	297.5	255.5	316.5	290.8
1731	211.2	302.5	271.0	271.0	286.0	264.0	278.9
1736	227.6	407.0	333.5	312.5	285.0	292.5	326.1
1747	235.4	366.0	349.5	285.0	274.5	296.5	314.3
1750	228.6	293.0	265.5	275.5	280.5	289.0	280.7
1757	227.2	310.0	301.0	295.5	270.0	301.0	295.5
1762	228.2	343.5	329.0	312.5	300.5	300.0	317.1
1767	229.2	324.0	275.5	273.5	281.0	272.5	285.3
1768	228.4	343.0	241.5	291.0	257.0	258.5	278.2
1770	250.4	400.5	305.0	288.0	302.5	308.5	320.9
1772	221.0	444.0	420.5	367.5	373.0	342.5	389.5
1777	224.0	302.0	300.5	272.5	282.0	288.5	289.1
1781	217.6	393.5	340.5	319.0	397.0	360.5	362.1
1785	221.2	284.0	265.5	245.5	257.0	268.5	264.1
1786	218.7	434.5	311.0	304.5	274.5	305.0	325.9
1790	237.2	469.0	338.0	334.0	378.0	316.5	367.1
1794	236.2	301.5	335.0	281.5	326.0	315.5	311.9
1796	202.2	275.0	252.5	230.0	246.5	239.5	248.7

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 7): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1705	219.0	457.0	385.0	368.0	368.5	370.5	389.8
1706	231.2	435.5	354.0	327.5	340.5	307.5	353.0
1711	266.3	388.5	365.5	321.0	305.0	318.0	339.6
1712	228.2	354.5	290.5	328.0	350.0	304.0	325.4
1713	214.1	337.0	277.5	263.5	287.5	270.0	287.1
1718	218.8	293.5	273.5	257.5	267.0	239.0	266.1
1734	239.4	417.5	507.0	418.5	358.0	363.5	412.9
1746	218.8	295.0	268.0	256.0	253.5	256.0	265.7
1753	229.4	510.5	381.0	289.5	326.0	282.5	357.9
1755	207.4	332.5	263.5	318.0	248.5	255.0	283.5
1756	252.4	475.0	369.5	386.0	399.0	350.0	395.9
1760	237.0	545.0	375.5	405.5	368.0	373.0	413.4
1763	205.8	293.0	281.0	287.5	249.0	260.5	274.2
1769	215.4	361.5	345.0	306.5	302.5	313.0	325.7
1771	304.6	450.5	397.5	379.5	401.5	360.5	397.9
1775	219.4	297.5	283.0	257.5	263.5	235.0	267.3
1779	265.2	462.0	356.5	342.0	364.5	357.5	376.5
1782	232.0	352.5	311.5	326.5	289.0	295.5	315.0
1795	197.2	290.5	274.0	252.5	227.0	243.0	257.4
1800	255.6	645.5	451.5	520.0	385.0	445.5	489.5

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STIMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 8): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP III 1.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1703	234.9	351.5	298.5	266.5	294.0	305.5	303.2
1704	227.2	438.5	304.0	359.0	322.0	308.0	346.3
1709	266.0	555.5	570.5	467.0	462.0	439.0	498.8
1715	233.8	406.0	401.5	320.0	285.0	311.0	344.7
1716	205.1	283.5	274.5	240.0	241.5	249.0	257.7
1717	219.4	445.5	349.0	396.0	353.5	358.5	380.5
1721	231.4	284.5	264.0	270.5	261.0	257.5	267.5
1725	196.7	248.0	217.0	232.0	230.5	233.5	232.2
1730	218.6	365.5	281.5	303.5	301.5	309.0	312.2
1735	205.6	255.0	239.0	246.0	274.0	258.0	254.4
1742	222.8	343.0	327.0	309.5	346.0	308.0	326.7
1744	199.2	284.0	293.0	285.0	297.5	268.5	285.6
1749	255.7	370.0	383.0	382.0	513.5	493.5	428.4
1754	202.4	307.5	248.0	283.5	247.5	298.5	277.0
1758	230.3	359.5	287.5	299.5	264.0	295.5	301.2
1761	209.1	313.5	277.0	273.0	270.5	270.0	280.8
1780	252.8	570.5	362.0	350.0	333.0	327.0	388.5
1791	214.0	377.0	332.0	308.5	269.5	345.0	326.4
1792	229.0	311.0	317.5	325.5	327.0	317.0	319.6
1799	248.8	346.5	414.0	357.5	327.5	332.0	355.5

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 9): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP IV 3.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1701	214.6	356.5	299.5	330.5	282.5	300.0	313.8
1707	239.8	411.5	328.0	321.0	343.5	331.5	347.1
1714	220.6	268.5	268.0	266.5	251.0	254.5	261.7
1719	237.6	305.0	308.0	291.0	280.0	281.0	293.0
1726	216.6	326.0	279.0	268.0	277.5	252.5	280.6
1729	211.2	486.0	420.0	319.5	311.5	365.5	380.5
1732	233.2	347.0	308.0	361.0	321.5	303.0	328.1
1733	194.0	285.0	282.0	262.5	253.5	252.5	267.1
1738	229.9	449.5	357.5	286.0	339.0	292.0	344.8
1739	218.6	513.0	413.0	410.5	455.5	352.5	428.9
1745	260.4	369.0	340.5	386.5	341.0	319.0	351.2
1751	238.0	447.0	393.0	404.0	327.5	320.5	378.4
1759	218.8	380.0	342.0	276.0	311.5	304.0	322.7
1764	218.6	302.5	295.5	321.0	255.5	273.5	289.6
1765	201.5	269.5	254.0	271.5	264.0	248.0	261.4
1774	226.1	376.5	294.5	334.0	277.5	281.0	312.7
1776	241.8	472.5	441.0	315.0	314.0	368.5	382.2
1783	232.0	456.5	352.5	304.5	302.5	325.5	348.3
1787	217.6	329.0	279.0	295.0	302.0	320.5	305.1
1797	223.2	414.5	361.5	325.5	330.5	284.0	343.2

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F10 (PAGE 10): AUDITORY STARTLE HABITUATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

DAY 60 POSTPARTUM
MATERNAL DOSAGE GROUP V 10.0 MG/KG/DAY

		PEAK RESPONSE					
RAT #	BASELINE	BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	AVERAGE PEAK RESPONSE
1710	221.7	347.0	302.0	320.5	347.0	335.0	330.3
1720	234.8	367.0	337.5	333.0	338.0	275.5	330.2
1723	232.0	364.5	309.5	307.5	329.5	337.0	329.6
1724	186.4	288.0	255.5	298.0	248.5	319.0	281.8
1727	210.2	425.5	336.0	350.5	384.0	370.5	373.3
1728	245.0	342.5	287.5	275.0	290.5	335.0	306.1
1737	207.3	447.5	368.0	374.5	414.5	303.0	381.5
1740	224.8	320.0	328.0	276.5	259.0	277.5	292.2
1741	232.0	314.5	292.5	269.0	287.5	269.5	286.6
1743	226.4	336.0	334.0	318.0	378.5	322.0	337.7
1748	254.0	450.0	393.0	413.0	356.5	370.5	396.6
1752	237.0	371.5	341.0	315.0	411.0	373.0	362.3
1766	220.2	371.0	291.0	291.5	317.0	279.0	309.9
1773	175.4	232.5	222.0	211.5	219.5	215.0	220.1
1778	214.8	311.5	287.5	282.0	274.5	272.5	285.6
1784	194.8	461.5	278.5	268.0	275.0	257.5	308.1
1788	270.6	472.0	321.0	377.5	332.5	319.5	364.5
1789	242.0	342.5	313.0	320.5	303.5	302.0	316.3
1793	180.6	248.5	220.5	209.0	211.5	219.0	221.7
1798	201.0	281.0	307.5	318.5	295.5	237.5	288.0

DATA WERE RECORDED IN GRAMS (G).
BASELINE = THE MEAN OF THE AVERAGE MEASUREMENT PER TRIAL WHEN NO STIMULUS IS PRESENTED.
PEAK RESPONSE = THE MEAN OF THE PEAK MEASUREMENT PER TRIAL WHEN A STUMULUS IS PRESENTED.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F11 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (CARRIER)	1402	DP 69	ALL TISSUES APPEARED NORMAL.
	1408	DP 69	ALL TISSUES APPEARED NORMAL.
	1422	DP 69	ALL TISSUES APPEARED NORMAL.
	1431	DP 69	ALL TISSUES APPEARED NORMAL.
	1436	DP 68	ALL TISSUES APPEARED NORMAL.
	1447	DP 68	ALL TISSUES APPEARED NORMAL.
	1450	DP 68	ALL TISSUES APPEARED NORMAL.
	1457	DP 68	ALL TISSUES APPEARED NORMAL.
	1462	DP 69	ALL TISSUES APPEARED NORMAL.
	1467	DP 69	ALL TISSUES APPEARED NORMAL.
	1468	DP 68	ALL TISSUES APPEARED NORMAL.
	1470	DP 68	ALL TISSUES APPEARED NORMAL.
	1472	DP 68	ALL TISSUES APPEARED NORMAL.
	1477	DP 68	ALL TISSUES APPEARED NORMAL.
	1481	DP 68	ALL TISSUES APPEARED NORMAL.
	1485	DP 68	ALL TISSUES APPEARED NORMAL.
	1486	DP 67	ALL TISSUES APPEARED NORMAL.
	1490	DP 67	ALL TISSUES APPEARED NORMAL.
	1494	DP 67	ALL TISSUES APPEARED NORMAL.
	1496	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F11 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II			
0.1	1405	DP 69	ALL TISSUES APPEARED NORMAL.
	1406	DP 69	ALL TISSUES APPEARED NORMAL.
	1411	DP 69	ALL TISSUES APPEARED NORMAL.
	1412	DP 68	ALL TISSUES APPEARED NORMAL.
	1413	DP 68	ALL TISSUES APPEARED NORMAL.
	1418	DP 68	ALL TISSUES APPEARED NORMAL.
	1434	DP 68	ALL TISSUES APPEARED NORMAL.
	1446	DP 68	ALL TISSUES APPEARED NORMAL.
	1453	DP 69	ALL TISSUES APPEARED NORMAL.
	1455	DP 69	ALL TISSUES APPEARED NORMAL.
	1456	DP 69	ALL TISSUES APPEARED NORMAL.
	1460	DP 68	ALL TISSUES APPEARED NORMAL.
	1463	DP 68	ALL TISSUES APPEARED NORMAL.
	1469	DP 68	ALL TISSUES APPEARED NORMAL.
	1471	DP 68	ALL TISSUES APPEARED NORMAL.
	1475	DP 68	ALL TISSUES APPEARED NORMAL.
	1479	DP 67	ALL TISSUES APPEARED NORMAL.
	1482	DP 67	ALL TISSUES APPEARED NORMAL.
	1495	DP 67	NECROPSY OBSERVATIONS NOT RECORDED.
	1500	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F11 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III			
1.0	1403	DP 69	ALL TISSUES APPEARED NORMAL.
	1404	DP 69	ALL TISSUES APPEARED NORMAL.
	1409	DP 68	ALL TISSUES APPEARED NORMAL.
	1415	DP 68	ALL TISSUES APPEARED NORMAL.
	1416	DP 68	ALL TISSUES APPEARED NORMAL.
	1417	DP 68	ALL TISSUES APPEARED NORMAL.
	1421	DP 68	ALL TISSUES APPEARED NORMAL.
	1425	DP 68	ALL TISSUES APPEARED NORMAL.
	1430	DP 69	ALL TISSUES APPEARED NORMAL.
	1435	DP 68	ALL TISSUES APPEARED NORMAL.
	1442	DP 68	ALL TISSUES APPEARED NORMAL.
	1444	DP 68	ALL TISSUES APPEARED NORMAL.
	1449	DP 68	ALL TISSUES APPEARED NORMAL.
	1454	DP 68	ALL TISSUES APPEARED NORMAL.
	1458	DP 68	ALL TISSUES APPEARED NORMAL.
	1461	DP 68	ALL TISSUES APPEARED NORMAL.
	1480	DP 67	ALL TISSUES APPEARED NORMAL.
	1491	DP 67	NECROPSY OBSERVATIONS NOT RECORDED.
	1492	DP 67	ALL TISSUES APPEARED NORMAL.
	1499	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F11 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	1401	DP 69	ALL TISSUES APPEARED NORMAL.
	1407	DP 69	ALL TISSUES APPEARED NORMAL.
	1414	DP 68	ALL TISSUES APPEARED NORMAL.
	1419	DP 68	ALL TISSUES APPEARED NORMAL.
	1426	DP 68	ALL TISSUES APPEARED NORMAL.
	1429	DP 68	ALL TISSUES APPEARED NORMAL.
	1432	DP 68	ALL TISSUES APPEARED NORMAL.
	1433	DP 68	ALL TISSUES APPEARED NORMAL.
	1438	DP 69	ALL TISSUES APPEARED NORMAL.
	1439	DP 69	ALL TISSUES APPEARED NORMAL.
	1445	DP 68	ALL TISSUES APPEARED NORMAL.
	1451	DP 68	ALL TISSUES APPEARED NORMAL.
	1459	DP 68	ALL TISSUES APPEARED NORMAL.
	1464	DP 68	ALL TISSUES APPEARED NORMAL.
	1465	DP 68	ALL TISSUES APPEARED NORMAL.
	1474	DP 68	ALL TISSUES APPEARED NORMAL.
	1476	DP 68	ALL TISSUES APPEARED NORMAL.
	1483	DP 67	ALL TISSUES APPEARED NORMAL.
	1487	DP 67	ALL TISSUES APPEARED NORMAL.
	1497	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F11 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V 10.0	1410	DP 69	ALL TISSUES APPEARED NORMAL.
	1420	DP 69	ALL TISSUES APPEARED NORMAL.
	1423	DP 69	ALL TISSUES APPEARED NORMAL.
	1424	DP 68	ALL TISSUES APPEARED NORMAL.
	1427	DP 68	ALL TISSUES APPEARED NORMAL.
	1428	DP 68	ALL TISSUES APPEARED NORMAL.
	1437	DP 68	ALL TISSUES APPEARED NORMAL.
	1440	DP 68	ALL TISSUES APPEARED NORMAL.
	1441	DP 69	KIDNEYS: RIGHT, PELVIS MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1443	DP 69	ALL TISSUES APPEARED NORMAL.
	1448	DP 68	ALL TISSUES APPEARED NORMAL.
	1452	DP 68	ALL TISSUES APPEARED NORMAL.
	1466	DP 68	ALL TISSUES APPEARED NORMAL.
	1473	DP 68	ALL TISSUES APPEARED NORMAL.
	1478	DP 68	ALL TISSUES APPEARED NORMAL.
	1484	DP 68	ALL TISSUES APPEARED NORMAL.
	1488	DP 67	ALL TISSUES APPEARED NORMAL.
	1489	DP 67	ALL TISSUES APPEARED NORMAL.
	1493	DP 67	ALL TISSUES APPEARED NORMAL.
	1498	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F12 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I			
0 (CARRIER)	1702	DP 69	ALL TISSUES APPEARED NORMAL.
	1708	DP 69	ALL TISSUES APPEARED NORMAL.
	1722	DP 69	ALL TISSUES APPEARED NORMAL.
	1731	DP 69	ALL TISSUES APPEARED NORMAL.
	1736	DP 68	ALL TISSUES APPEARED NORMAL.
	1747	DP 68	ALL TISSUES APPEARED NORMAL.
	1750	DP 68	KIDNEYS: RIGHT, PELVIS SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1757	DP 68	ALL TISSUES APPEARED NORMAL.
	1762	DP 69	ALL TISSUES APPEARED NORMAL.
	1767	DP 69	ALL TISSUES APPEARED NORMAL.
	1768	DP 68	ALL TISSUES APPEARED NORMAL.
	1770	DP 68	ALL TISSUES APPEARED NORMAL.
	1772	DP 68	ALL TISSUES APPEARED NORMAL.
	1777	DP 68	ALL TISSUES APPEARED NORMAL.
	1781	DP 68	ALL TISSUES APPEARED NORMAL.
	1785	DP 68	ALL TISSUES APPEARED NORMAL.
	1786	DP 67	ALL TISSUES APPEARED NORMAL.
	1790	DP 67	ALL TISSUES APPEARED NORMAL.
	1794	DP 67	ALL TISSUES APPEARED NORMAL.
	1796	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F12 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II 0.1	1705	DP 69	ALL TISSUES APPEARED NORMAL.
	1706	DP 69	ALL TISSUES APPEARED NORMAL.
	1711	DP 69	ALL TISSUES APPEARED NORMAL.
	1712	DP 68	ALL TISSUES APPEARED NORMAL.
	1713	DP 68	ALL TISSUES APPEARED NORMAL.
	1718	DP 68	ALL TISSUES APPEARED NORMAL.
	1734	DP 68	ALL TISSUES APPEARED NORMAL.
	1746	DP 68	ALL TISSUES APPEARED NORMAL.
	1753	DP 69	ALL TISSUES APPEARED NORMAL.
	1755	DP 69	ALL TISSUES APPEARED NORMAL.
	1756	DP 69	ALL TISSUES APPEARED NORMAL.
	1760	DP 68	ALL TISSUES APPEARED NORMAL.
	1763	DP 68	ALL TISSUES APPEARED NORMAL.
	1769	DP 68	ALL TISSUES APPEARED NORMAL.
	1771	DP 68	ALL TISSUES APPEARED NORMAL.
	1775	DP 68	ALL TISSUES APPEARED NORMAL.
	1779	DP 67	ALL TISSUES APPEARED NORMAL.
	1782	DP 67	ALL TISSUES APPEARED NORMAL.
	1795	DP 67	NECROPSY OBSERVATIONS NOT RECORDED.
	1800	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F12 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III			
1.0	1703	DP 69	ALL TISSUES APPEARED NORMAL.
	1704	DP 69	ALL TISSUES APPEARED NORMAL.
	1709	DP 68	ALL TISSUES APPEARED NORMAL.
	1715	DP 68	ALL TISSUES APPEARED NORMAL.
	1716	DP 68	ALL TISSUES APPEARED NORMAL.
	1717	DP 68	ALL TISSUES APPEARED NORMAL.
	1721	DP 68	KIDNEYS: RIGHT, PELVIS, MARKED DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1725	DP 68	ALL TISSUES APPEARED NORMAL.
	1730	DP 69	ALL TISSUES APPEARED NORMAL.
	1735	DP 68	ALL TISSUES APPEARED NORMAL.
	1742	DP 68	ALL TISSUES APPEARED NORMAL.
	1744	DP 68	ALL TISSUES APPEARED NORMAL.
	1749	DP 68	ALL TISSUES APPEARED NORMAL.
	1754	DP 68	ALL TISSUES APPEARED NORMAL.
	1758	DP 68	ALL TISSUES APPEARED NORMAL.
	1761	DP 68	ALL TISSUES APPEARED NORMAL.
	1780	DP 67	ALL TISSUES APPEARED NORMAL.
	1791	DP 67	ALL TISSUES APPEARED NORMAL.
	1792	DP 67	ALL TISSUES APPEARED NORMAL.
	1799	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F12 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	1701	DP 69	ALL TISSUES APPEARED NORMAL.
	1707	DP 69	ALL TISSUES APPEARED NORMAL.
	1714	DP 68	ALL TISSUES APPEARED NORMAL.
	1719	DP 68	ALL TISSUES APPEARED NORMAL.
	1726	DP 68	ALL TISSUES APPEARED NORMAL.
	1729	DP 68	ALL TISSUES APPEARED NORMAL.
	1732	DP 68	ALL TISSUES APPEARED NORMAL.
	1733	DP 68	ALL TISSUES APPEARED NORMAL.
	1738	DP 69	ALL TISSUES APPEARED NORMAL.
	1739	DP 69	ALL TISSUES APPEARED NORMAL.
	1745	DP 68	ALL TISSUES APPEARED NORMAL.
	1751	DP 68	ALL TISSUES APPEARED NORMAL.
	1759	DP 68	ALL TISSUES APPEARED NORMAL.
	1764	DP 68	ALL TISSUES APPEARED NORMAL.
	1765	DP 68	ALL TISSUES APPEARED NORMAL.
	1774	DP 68	ALL TISSUES APPEARED NORMAL.
	1776	DP 68	ALL TISSUES APPEARED NORMAL.
	1783	DP 67	KIDNEYS: BILATERAL, PELVIS, MODERATE DILATION. ALL TISSUES APPEARED NORMAL.
	1787	DP 67	ALL TISSUES APPEARED NORMAL.
	1797	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F12 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V			
10.0	1710	DP 69	ALL TISSUES APPEARED NORMAL.
	1720	DP 69	ALL TISSUES APPEARED NORMAL.
	1723	DP 69	ALL TISSUES APPEARED NORMAL.
	1724	DP 68	ALL TISSUES APPEARED NORMAL.
	1727	DP 68	ALL TISSUES APPEARED NORMAL.
	1728	DP 68	ALL TISSUES APPEARED NORMAL.
	1737	DP 68	ALL TISSUES APPEARED NORMAL.
	1740	DP 68	ALL TISSUES APPEARED NORMAL.
	1741	DP 69	ALL TISSUES APPEARED NORMAL.
	1743	DP 69	ALL TISSUES APPEARED NORMAL.
	1748	DP 68	ALL TISSUES APPEARED NORMAL.
	1752	DP 68	ALL TISSUES APPEARED NORMAL.
	1766	DP 68	ALL TISSUES APPEARED NORMAL.
	1773	DP 68	ALL TISSUES APPEARED NORMAL.
	1778	DP 68	ALL TISSUES APPEARED NORMAL.
	1784	DP 68	ALL TISSUES APPEARED NORMAL.
	1788	DP 67	ALL TISSUES APPEARED NORMAL.
	1789	DP 67	ALL TISSUES APPEARED NORMAL.
	1793	DP 67	ALL TISSUES APPEARED NORMAL.
	1798	DP 67	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F13 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
1402	425.	0.031	7.29
1408	372.	0.028	7.53
1422	409.	0.032	7.82
1431	412.	0.033	8.01
1436	382.	0.022	5.76
1447	450.	0.041	9.11
1450	440.	0.036	8.18
1457	366.	0.024	6.56
1462	443.	0.028	6.32
1467	465.	0.036	7.74
1468	449.	0.028	6.24
1470	404.	0.036	8.91
1472	449.	0.046	10.24
1477	464.	0.042	9.05
1481	393.	0.041	10.43
1485	396.	0.035	8.84
1486	372.	0.034	9.14
1490	416.	0.030	7.21
1494	332.	0.033	9.94
1496	402.	0.036	8.96

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F13 (PAGE 2): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
1405	374.	0.031	8.29
1406	458.	0.030	6.55
1411	442.	0.047	10.63
1412	388.	0.037	9.54
1413	394.	0.034	8.63
1418	346.	0.031	8.96
1434	434.	0.022	5.07
1446	415.	0.039	9.40
1453	431.	0.028	6.50
1455	394.	0.030	7.61
1456	452.	0.034	7.52
1460	362.	0.028	7.73
1463	402.	0.030	7.46
1469	405.	0.029	7.16
1471	511.	0.041	8.02
1475	416.	0.047	11.30
1479	400.	0.031	7.75
1482	412.	0.036	8.74
1495	420.	0.036	8.57
1500	373.	0.041	10.99

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F13 (PAGE 3): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
1403	439.	0.043	9.79
1404	391.	0.026	6.65
1409	379.	0.032	8.44
1415	407.	0.043	10.56
1416	337.	0.042	12.46
1417	394.	0.030	7.61
1421	416.	b	-----
1425	383.	0.046	12.01
1430	405.	0.043	10.62
1435	425.	0.030	7.06
1442	421.	0.028	6.65
1444	413.	0.035	8.47
1449	390.	0.043	11.02
1454	369.	0.027	7.32
1458	423.	0.028	6.62
1461	435.	0.029	6.67
1480	419.	0.048	11.46
1491	419.	0.031	7.40
1492	382.	0.027	7.07
1499	412.	0.040	9.71

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Value was not recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F13 (PAGE 4): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
1401	386.	0.026	6.74
1407	433.	0.045	10.39
1414	370.	0.038	10.27
1419	471.	0.040	8.49
1426	406.	0.034	8.37
1429	421.	0.037	8.79
1432	432.	0.029	6.71
1433	391.	0.029	7.42
1438	424.	0.037	8.73
1439	409.	0.044	10.76
1445	415.	0.035	8.43
1451	348.	0.034	9.77
1459	416.	0.024	5.77
1464	386.	0.039	10.10
1465	436.	0.039	8.94
1474	421.	0.036	8.55
1476	425.	0.042	9.88
1483	455.	0.048	10.55
1487	412.	0.031	7.52
1497	414.	0.040	9.66

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F13 (PAGE 5): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
1410	470.	0.044	9.36
1420	420.	0.035	8.33
1423	445.	0.044	9.89
1424	377.	0.045	11.94
1427	452.	0.046	10.18
1428	406.	0.038	9.36
1437	393.	0.030	7.63
1440	415.	0.034	8.19
1441	440.	0.043	9.77
1443	432.	0.036	8.33
1448	496.	0.039	7.86
1452	405.	0.026	6.42
1466	384.	0.026	6.77
1473	355.	0.032	9.01
1478	422.	0.040	9.48
1484	410.	0.040	9.76
1488	488.	0.027	5.53
1489	434.	0.034	7.83
1493	389.	0.036	9.25
1498	384.	0.043	11.20

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F14 (PAGE 1): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
1702	248.	0.020	8.06
1708	210.	0.026	12.38
1722	217.	0.019	8.76
1731	222.	0.020	9.01
1736	246.	0.029	11.79
1747	260.	0.022	8.46
1750	247.	0.028	11.34
1757	245.	0.022	8.98
1762	254.	0.020	7.87
1767	264.	0.028	10.61
1768	214.	0.021	9.81
1770	278.	0.028	10.07
1772	240.	0.022	9.17
1777	242.	0.026	10.74
1781	226.	0.024	10.62
1785	255.	0.027	10.59
1786	234.	0.023	9.83
1790	262.	0.023	8.78
1794	245.	0.026	10.61
1796	226.	0.022	9.73

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F14 (PAGE 2): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
1705	230.	0.024	10.43
1706	253.	0.025	9.88
1711	278.	0.036	12.95
1712	247.	0.026	10.53
1713	231.	0.022	9.52
1718	253.	0.021	8.30
1734	264.	0.025	9.47
1746	239.	0.018	7.53
1753	261.	0.021	8.04
1755	234.	0.024	10.26
1756	271.	0.025	9.22
1760	261.	0.020	7.66
1763	231.	0.018	7.79
1769	248.	0.021	8.47
1771	335.	0.034	10.15
1775	247.	0.019	7.69
1779	280.	0.018	6.43
1782	248.	0.024	9.68
1795	215.	0.018	8.37
1800	281.	0.020	7.12

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F14 (PAGE 3): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
1703	270.	0.026	9.63
1704	239.	0.022	9.20
1709	295.	0.031	10.51
1715	245.	0.030	12.24
1716	221.	0.027	12.22
1717	250.	0.028	11.20
1721	254.	0.027	10.63
1725	207.	0.032	15.46
1730	244.	0.023	9.43
1735	223.	0.026	11.66
1742	249.	0.017	6.83
1744	229.	0.014	6.11
1749	280.	0.024	8.57
1754	222.	0.022	9.91
1758	258.	0.028	10.85
1761	234.	0.024	10.26
1780	280.	0.020	7.14
1791	219.	0.019	8.68
1792	244.	0.024	9.84
1799	256.	0.023	8.98

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F14 (PAGE 4): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
1701	233.	0.022	9.44
1707	256.	0.028	10.94
1714	240.	0.024	10.00
1719	252.	0.021	8.33
1726	233.	0.023	9.87
1729	240.	0.020	8.33
1732	258.	0.030	11.63
1733	219.	0.021	9.59
1738	258.	0.019b	7.36b
1739	248.	0.021	8.47
1745	268.	0.020	7.46
1751	258.	0.019	7.36
1759	247.	0.018	7.29
1764	235.	0.028	11.91
1765	224.	0.020	8.93
1774	248.	0.018	7.26
1776	260.	0.016	6.15
1783	259.	0.025	9.65
1787	232.	0.018	7.76
1797	241.	0.023	9.54

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE F14 (PAGE 5): TERMINAL BODY WEIGHTS AND THYROID WEIGHTS AND RATIOS (%) OF THYROID WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 3

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
1710	237.	0.024	10.13
1720	257.	0.027	10.50
1723	252.	0.020	7.94
1724	197.	0.020	10.15
1727	237.	0.029	12.24
1728	263.	0.022	8.36
1737	225.	0.026	11.56
1740	248.	0.018	7.26
1741	261.	0.023	8.81
1743	246.	0.022	8.94
1748	266.	0.026	9.77
1752	255.	0.020	7.84
1766	250.	0.022	8.80
1773	192.	0.016	8.33
1778	238.	0.020	8.40
1784	214.	0.012	5.61
1788	298.	0.026	8.72
1789	258.	0.028	10.85
1793	206.	0.029	14.08
1798	221.	0.022	9.95

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = THYROID WEIGHT. REL. % TBW = (THYROID WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

APPENDIX G

REPORT TABLES - SUBSET 4

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G1 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	19b	20	20	20
MORTALITY	N	0	0	0	0	0
APPEARED NORMAL	N	19	17	18	17	18
KIDNEYS: BILATERAL, RIGHT OR LEFT, PELVIS, SLIGHT TO MARKED DILATION	N	1	2	2	3	1
PREPUTIAL GLAND: LEFT, LARGE, FIRM AND TAN	N	0	0	0	0	1
URINARY BLADDER: MODERATE DISTENTION, THICK WALL AND CONTAINED CALCULI	N	0	0	0	0	1
TESTES: RIGHT, LARGE	N	1	0	0	0	0
EPIDIDYMIDES: RIGHT, LARGE	N	1	0	0	0	0

a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.
b. Excludes values for rat 1569, which was found dead on day 17 postpartum; cannibalization precluded evaluation.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G2 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS EXAMINED a	N	20	19b	20	20	20
MORIBUND SACRIFICED	N	0	2c,d	0	0	0
APPEARED NORMAL	N	19	17c,d	18	19	20
KIDNEYS: RIGHT, LEFT OR BILATERAL, PELVIS, SLIGHT TO MARKED DILATION	N	1	2	2	1	0

a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.
b. Excludes values for rat 1811, which was found dead on day 17 postpartum; cannibalization precluded evaluation.
c. Rat 1895 was moribund sacrificed on day 52 postpartum.
d. Rat 1900 was moribund sacrificed on day 24 postpartum.
** Significantly different from the carrier control group value ($p<0.01$).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G3 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
INCLUDED IN ANALYSES	N	20	19a	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	489.8 ± 41.7	489.8 ± 29.3	491.4 ± 39.6	499.1 ± 46.0	508.0 ± 52.2
THYROID	MEAN±S.D.	0.035 ± 0.007 [19]b	0.035 ± 0.008	0.033 ± 0.005	0.035 ± 0.010	0.034 ± 0.006

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 1569, which was found dead on day 17 postpartum.
b. Excludes values for rat 1570; the thyroid was damaged during processing (weight affected).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G3 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	6	6	6	6	6
TERMINAL BODY WEIGHT	MEAN±S.D.	492.2 ± 41.6	488.5 ± 35.2	487.3 ± 34.5	512.3 ± 41.7	495.2 ± 21.1
WHOLE BRAIN	MEAN±S.D.	2.2082 ±0.0812	2.1766 ±0.1194	2.2372 ±0.0602	2.1878 ±0.0920	2.1570 ±0.0909
TELENCEPHALON	MEAN±S.D.	1.1611 ±0.0689	1.1490 ±0.0700	1.1612 ±0.0456	1.1418 ±0.0818	1.1178 ±0.0508
DIENCEPHALON/ MESENCEPHALON	MEAN±S.D.	0.3733 ±0.0368	0.3554 ±0.0293	0.3745 ±0.0173	0.3589 ±0.0213	0.3633 ±0.0404
MEDULLA OBLONGATA/ PONS	MEAN±S.D.	0.2075 ±0.0186	0.2031 ±0.0143	0.2141 ±0.0244	0.2104 ±0.0199	0.2005 ±0.0135
CEREBELLUM	MEAN±S.D.	0.3339 ±0.0126	0.3192 ±0.0161	0.3330 ±0.0152	0.3306 ±0.0287	0.3160 ±0.0111

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G4 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
INCLUDED IN ANALYSES	N	20	19a	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	489.8 ± 41.7	489.8 ± 29.3	491.4 ± 39.6	499.1 ± 46.0	508.0 ± 52.2
THYROID (% TBW)b	MEAN±S.D.	7.240 ± 1.372 [19]c	7.171 ± 1.736	6.729 ± 0.848	6.984 ± 1.881	6.856 ± 1.407

ALL WEIGHTS WERE RECORDED IN GRAMS (G). REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 1569, which was found dead on day 17 postpartum.
b. Value was scaled upward by 1000.
c. Excludes values for rat 1570; the thyroid was damaged during processing (weight affected).

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PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G4 (PAGE 2): RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	6	6	6	6	6
TERMINAL BODY WEIGHT	MEAN±S.D.	492.2 ± 41.6	488.5 ± 35.2	487.3 ± 34.5	512.3 ± 41.7	495.2 ± 21.1
WHOLE BRAIN (% TBW)	MEAN±S.D.	0.452 ± 0.032	0.445 ± 0.014	0.458 ± 0.043	0.428 ± 0.031	0.437 ± 0.015
TELENCEPHALON (% TBW)	MEAN±S.D.	0.235 ± 0.019	0.235 ± 0.008	0.238 ± 0.022	0.222 ± 0.016	0.223 ± 0.005
DIENCEPHALON/ MESENCEPHALON (% TBW)	MEAN±S.D.	0.075 ± 0.012	0.073 ± 0.005	0.075 ± 0.010	0.068 ± 0.008	0.070 ± 0.006
MEDULLA OBLONGATA/ PONS (% TBW)	MEAN±S.D.	0.040 ± 0.000	0.040 ± 0.000	0.042 ± 0.004	0.042 ± 0.004	0.040 ± 0.000
CEREBELLUM (% TBW)	MEAN±S.D.	0.067 ± 0.008	0.065 ± 0.006	0.068 ± 0.008	0.063 ± 0.008	0.062 ± 0.004

ALL WEIGHTS WERE RECORDED IN GRAMS (G). REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G5 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
INCLUDED IN ANALYSES	N	20	17a	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	268.9 ± 27.3	277.5 ± 27.3	265.8 ± 21.8	278.4 ± 27.6	281.2 ± 40.5
THYROID	MEAN±S.D.	0.029 ± 0.008	0.028 ± 0.006 [16]b	0.028 ± 0.006	0.028 ± 0.006	0.029 ± 0.006

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that were found dead or moribund sacrificed.
b. Excludes values for rat 1834; value was not recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G5 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	6	6	6	6	6
TERMINAL BODY WEIGHT	MEAN±S.D.	267.2 ± 25.6	273.2 ± 30.2	260.5 ± 24.5	285.7 ± 34.9	284.7 ± 43.7
WHOLE BRAIN	MEAN±S.D.	2.0338 ±0.0986	2.0482 ±0.0471	1.9568 ±0.0939	1.9927 ±0.0862	2.0413 ±0.0757
TELENCEPHALON	MEAN±S.D.	1.0797 ±0.0567	1.0747 ±0.0430	1.0256 ±0.0587	1.0443 ±0.0446	1.0757 ±0.0390
DIENCEPHALON/ MESENCEPHALON	MEAN±S.D.	0.3304 ±0.0238	0.3284 ±0.0248	0.3111 ±0.0215	0.3322 ±0.0120	0.3294 ±0.0146
MEDULLA OBLONGATA/ PONS	MEAN±S.D.	0.1891 ±0.0292	0.2181 ±0.0491	0.1930 ±0.0239	0.1848 ±0.0180	0.1945 ±0.0130
CEREBELLUM	MEAN±S.D.	0.3019 ±0.0161	0.2784 ±0.0497	0.2855 ±0.0105	0.2849 ±0.0304	0.3018 ±0.0116

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G6 (PAGE 1): RATIOS (%) OF ORGAN WEIGHTS TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	20	20	20	20	20
INCLUDED IN ANALYSES	N	20	17a	20	20	20
TERMINAL BODY WEIGHT	MEAN±S.D.	268.9 ± 27.3	277.5 ± 27.3	265.8 ± 21.8	278.4 ± 27.6	281.2 ± 40.5
THYROID (% TBW)b	MEAN±S.D.	10.760 ± 3.263	10.150 ± 1.946 [16]c	10.559 ± 2.245	10.311 ± 2.397	10.428 ± 1.684

ALL WEIGHTS WERE RECORDED IN GRAMS (G). % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that were found dead or moribund sacrificed.
b. Value was multiplied by 1000.
c. Excludes values for rat 1834; value was not recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G6 (PAGE 2): RATIOS (%) OF ORGAN WEIGHTS TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (CARRIER)	0.1	1.0	3.0	10.0
RATS TESTED	N	6	6	6	6	6
TERMINAL BODY WEIGHT	MEAN±S.D.	267.2 ± 25.6	273.2 ± 30.2	260.5 ± 24.5	285.7 ± 34.9	284.7 ± 43.7
WHOLE BRAIN (% TBW)	MEAN±S.D.	0.763 ± 0.048	0.758 ± 0.081	0.755 ± 0.087	0.702 ± 0.083	0.728 ± 0.099
TELENCEPHALON (% TBW)	MEAN±S.D.	0.407 ± 0.026	0.397 ± 0.039	0.398 ± 0.048	0.368 ± 0.042	0.383 ± 0.054
DIENCEPHALON/ MESENCEPHALON (% TBW)	MEAN±S.D.	0.123 ± 0.016	0.120 ± 0.019	0.120 ± 0.014	0.120 ± 0.014	0.118 ± 0.021
MEDULLA OBLONGATA/ PONS (% TBW)	MEAN±S.D.	0.070 ± 0.009	0.078 ± 0.013	0.072 ± 0.012	0.063 ± 0.008	0.068 ± 0.015
CEREBELLUM (% TBW)	MEAN±S.D.	0.112 ± 0.012	0.103 ± 0.026	0.108 ± 0.012	0.100 ± 0.019	0.107 ± 0.015

ALL WEIGHTS WERE RECORDED IN GRAMS (G). % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G7 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (VEHICLE)	1502	DP 83	ALL TISSUES APPEARED NORMAL.
	1508	DP 83	ALL TISSUES APPEARED NORMAL.
	1522	DP 83	ALL TISSUES APPEARED NORMAL.
	1531	DP 83	ALL TISSUES APPEARED NORMAL.
	1536	DP 83	ALL TISSUES APPEARED NORMAL.
	1547	DP 83	ALL TISSUES APPEARED NORMAL.
	1550	DP 84	ALL TISSUES APPEARED NORMAL.
	1557	DP 82	ALL TISSUES APPEARED NORMAL.
	1562	DP 84	ALL TISSUES APPEARED NORMAL.
	1567	DP 85	ALL TISSUES APPEARED NORMAL.
	1568	DP 82	ALL TISSUES APPEARED NORMAL.
	1570	DP 81	ALL TISSUES APPEARED NORMAL.
	1572	DP 81	TESTES: RIGHT, LARGE (3.23 G). EPIDIDYMIDES: RIGHT, LARGE (0.73 G). KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1577	DP 81	ALL TISSUES APPEARED NORMAL.
	1581	DP 83	ALL TISSUES APPEARED NORMAL.
	1585	DP 81	ALL TISSUES APPEARED NORMAL.
	1586	DP 83	ALL TISSUES APPEARED NORMAL.
	1590	DP 83	ALL TISSUES APPEARED NORMAL.
	1594	DP 80	ALL TISSUES APPEARED NORMAL.
	1596	DP 84	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G7 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II 0.1	1505	DP 83	ALL TISSUES APPEARED NORMAL.
	1506	DP 84	ALL TISSUES APPEARED NORMAL.
	1511	DP 83	ALL TISSUES APPEARED NORMAL.
	1512	DP 83	ALL TISSUES APPEARED NORMAL.
	1513	DP 82	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1518	DP 82	ALL TISSUES APPEARED NORMAL.
	1534	DP 83	ALL TISSUES APPEARED NORMAL.
	1546	DP 84	KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1553	DP 82	ALL TISSUES APPEARED NORMAL.
	1555	DP 82	ALL TISSUES APPEARED NORMAL.
	1556	DP 82	ALL TISSUES APPEARED NORMAL.
	1560	DP 84	ALL TISSUES APPEARED NORMAL.
	1563	DP 83	ALL TISSUES APPEARED NORMAL.
	1569	-----	FOUND DEAD ON DAY 17 POSTPARTUM. DEGREE OF CANNIBALIZATION PRECLUDED EVALUATION.
	1571	DP 81	ALL TISSUES APPEARED NORMAL.
	1575	DP 83	ALL TISSUES APPEARED NORMAL.
	1579	DP 83	ALL TISSUES APPEARED NORMAL.
	1582	DP 82	ALL TISSUES APPEARED NORMAL.
	1595	DP 80	ALL TISSUES APPEARED NORMAL.
	1600	DP 84	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G7 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III 1.0	1503	DP 84	ALL TISSUES APPEARED NORMAL.
	1504	DP 84	ALL TISSUES APPEARED NORMAL.
	1509	DP 84	ALL TISSUES APPEARED NORMAL.
	1515	DP 82	ALL TISSUES APPEARED NORMAL.
	1516	DP 82	ALL TISSUES APPEARED NORMAL.
	1517	DP 83	ALL TISSUES APPEARED NORMAL.
	1521	DP 82	ALL TISSUES APPEARED NORMAL.
	1525	DP 84	KIDNEYS: LEFT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1530	DP 85	ALL TISSUES APPEARED NORMAL.
	1535	DP 81	ALL TISSUES APPEARED NORMAL.
	1542	DP 82	KIDNEYS: RIGHT, PELVIS, MARKED DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1544	DP 81	ALL TISSUES APPEARED NORMAL.
	1549	DP 81	ALL TISSUES APPEARED NORMAL.
	1554	DP 81	ALL TISSUES APPEARED NORMAL.
	1558	DP 81	ALL TISSUES APPEARED NORMAL.
	1561	DP 86	ALL TISSUES APPEARED NORMAL.
	1580	DP 80	ALL TISSUES APPEARED NORMAL.
	1591	DP 82	ALL TISSUES APPEARED NORMAL.
	1592	DP 80	ALL TISSUES APPEARED NORMAL.
	1599	DP 83	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G7 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	1501	DP 83	ALL TISSUES APPEARED NORMAL.
	1507	DP 84	ALL TISSUES APPEARED NORMAL.
	1514	DP 84	ALL TISSUES APPEARED NORMAL.
	1519	DP 84	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1526	DP 85	ALL TISSUES APPEARED NORMAL.
	1529	DP 82	ALL TISSUES APPEARED NORMAL.
	1532	DP 83	KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1533	DP 82	ALL TISSUES APPEARED NORMAL.
	1538	DP 83	ALL TISSUES APPEARED NORMAL.
	1539	DP 82	ALL TISSUES APPEARED NORMAL.
	1545	DP 84	ALL TISSUES APPEARED NORMAL.
	1551	DP 81	ALL TISSUES APPEARED NORMAL.
	1559	DP 83	ALL TISSUES APPEARED NORMAL.
	1564	DP 81	ALL TISSUES APPEARED NORMAL.
	1565	DP 81	KIDNEYS: BILATERAL, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1574	DP 81	ALL TISSUES APPEARED NORMAL.
	1576	DP 84	ALL TISSUES APPEARED NORMAL.
	1583	DP 83	ALL TISSUES APPEARED NORMAL.
	1587	DP 80	ALL TISSUES APPEARED NORMAL.
	1597	DP 84	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G7 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V 10.0	1510	DP 83	ALL TISSUES APPEARED NORMAL.
	1520	DP 82	ALL TISSUES APPEARED NORMAL.
	1523	DP 83	ALL TISSUES APPEARED NORMAL.
	1524	DP 83	ALL TISSUES APPEARED NORMAL.
	1527	DP 82	ALL TISSUES APPEARED NORMAL.
	1528	DP 82	KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1537	DP 84	ALL TISSUES APPEARED NORMAL.
	1540	DP 82	ALL TISSUES APPEARED NORMAL.
	1541	DP 83	PREPUTIAL GLAND: LEFT, LARGE, FIRM AND TAN. URINARY BLADDER: MODERATE DISTENTION, THICK WALL AND CONTAINED MULTIPLE CALCULI (0.1 CM X 0.1 CM X 0.1 CM TO 0.3 CM X 0.3 CM X 0.5 CM). ALL OTHER TISSUES APPEARED NORMAL.
	1543	DP 84	ALL TISSUES APPEARED NORMAL.
	1548	DP 81	ALL TISSUES APPEARED NORMAL.
	1552	DP 83	ALL TISSUES APPEARED NORMAL.
	1566	DP 84	ALL TISSUES APPEARED NORMAL.
	1573	DP 84	ALL TISSUES APPEARED NORMAL.
	1578	DP 84	ALL TISSUES APPEARED NORMAL.
	1584	DP 84	ALL TISSUES APPEARED NORMAL.
	1588	DP 80	ALL TISSUES APPEARED NORMAL.
	1589	DP 80	ALL TISSUES APPEARED NORMAL.
	1593	DP 84	ALL TISSUES APPEARED NORMAL.
	1598	DP 80	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C12) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G8 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
I 0 (CARRIER)	1802	DP 84	ALL TISSUES APPEARED NORMAL.
	1808	DP 85	ALL TISSUES APPEARED NORMAL.
	1822	DP 83	ALL TISSUES APPEARED NORMAL.
	1831	DP 85	ALL TISSUES APPEARED NORMAL.
	1836	DP 82	ALL TISSUES APPEARED NORMAL.
	1847	DP 82	ALL TISSUES APPEARED NORMAL.
	1850	DP 85	ALL TISSUES APPEARED NORMAL.
	1857	DP 82	ALL TISSUES APPEARED NORMAL.
	1862	DP 82	ALL TISSUES APPEARED NORMAL.
	1867	DP 82	ALL TISSUES APPEARED NORMAL.
	1868	DP 82	KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1870	DP 81	ALL TISSUES APPEARED NORMAL.
	1872	DP 81	ALL TISSUES APPEARED NORMAL.
	1877	DP 82	ALL TISSUES APPEARED NORMAL.
	1881	DP 83	ALL TISSUES APPEARED NORMAL.
	1885	DP 81	ALL TISSUES APPEARED NORMAL.
	1886	DP 83	ALL TISSUES APPEARED NORMAL.
	1890	DP 80	ALL TISSUES APPEARED NORMAL.
	1894	DP 83	ALL TISSUES APPEARED NORMAL.
	1896	DP 84	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G8 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
II 0.1	1805	DP 83	ALL TISSUES APPEARED NORMAL.
	1806	DP 84	ALL TISSUES APPEARED NORMAL.
	1811	-----	FOUND DEAD ON DAY 17 POSTPARTUM. DEGREE OF CANNIBALIZATION PRECLUDED EVALUATION.
	1812	DP 82	ALL TISSUES APPEARED NORMAL.
	1813	DP 82	ALL TISSUES APPEARED NORMAL.
	1818	DP 82	ALL TISSUES APPEARED NORMAL.
	1834	DP 82	ALL TISSUES APPEARED NORMAL.
	1846	DP 82	ALL TISSUES APPEARED NORMAL.
	1853	DP 84	ALL TISSUES APPEARED NORMAL.
	1855	DP 83	ALL TISSUES APPEARED NORMAL.
	1856	DP 83	ALL TISSUES APPEARED NORMAL.
	1860	DP 83	ALL TISSUES APPEARED NORMAL.
	1863	DP 83	ALL TISSUES APPEARED NORMAL.
	1869	DP 84	KIDNEYS: BILATERAL, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1871	DP 84	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1875	DP 84	ALL TISSUES APPEARED NORMAL.
	1879	DP 83	ALL TISSUES APPEARED NORMAL.
	1882	DP 84	ALL TISSUES APPEARED NORMAL.
	1895	DP 52	MORIBUND SACRIFICED ON DAY 52 POSTPARTUM. ALL TISSUES APPEARED NORMAL.
	1900	DP 24	MORIBUND SACRIFICED ON DAY 24 POSTPARTUM. ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G8 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
III			
1.0	1803	DP 83	ALL TISSUES APPEARED NORMAL.
	1804	DP 84	ALL TISSUES APPEARED NORMAL.
	1809	DP 82	ALL TISSUES APPEARED NORMAL.
	1815	DP 82	ALL TISSUES APPEARED NORMAL.
	1816	DP 83	ALL TISSUES APPEARED NORMAL.
	1817	DP 83	ALL TISSUES APPEARED NORMAL.
	1821	DP 82	ALL TISSUES APPEARED NORMAL.
	1825	DP 84	KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1830	DP 84	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1835	DP 81	ALL TISSUES APPEARED NORMAL.
	1842	DP 84	ALL TISSUES APPEARED NORMAL.
	1844	DP 81	ALL TISSUES APPEARED NORMAL.
	1849	DP 81	ALL TISSUES APPEARED NORMAL.
	1854	DP 83	ALL TISSUES APPEARED NORMAL.
	1858	DP 84	ALL TISSUES APPEARED NORMAL.
	1861	DP 81	ALL TISSUES APPEARED NORMAL.
	1880	DP 84	ALL TISSUES APPEARED NORMAL.
	1891	DP 83	ALL TISSUES APPEARED NORMAL.
	1892	DP 80	ALL TISSUES APPEARED NORMAL.
	1899	DP 80	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G8 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
IV 3.0	1801	DP 83	ALL TISSUES APPEARED NORMAL.
	1807	DP 83	ALL TISSUES APPEARED NORMAL.
	1814	DP 82	ALL TISSUES APPEARED NORMAL.
	1819	DP 83	KIDNEYS: RIGHT, PELVIS, MARKED DILATION. LEFT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	1826	DP 83	ALL TISSUES APPEARED NORMAL.
	1829	DP 83	ALL TISSUES APPEARED NORMAL.
	1832	DP 82	ALL TISSUES APPEARED NORMAL.
	1833	DP 82	ALL TISSUES APPEARED NORMAL.
	1838	DP 84	ALL TISSUES APPEARED NORMAL.
	1839	DP 85	ALL TISSUES APPEARED NORMAL.
	1845	DP 81	ALL TISSUES APPEARED NORMAL.
	1851	DP 81	ALL TISSUES APPEARED NORMAL.
	1859	DP 81	ALL TISSUES APPEARED NORMAL.
	1864	DP 81	ALL TISSUES APPEARED NORMAL.
	1865	DP 84	ALL TISSUES APPEARED NORMAL.
	1874	DP 81	ALL TISSUES APPEARED NORMAL.
	1876	DP 85	ALL TISSUES APPEARED NORMAL.
	1883	DP 82	ALL TISSUES APPEARED NORMAL.
	1887	DP 82	ALL TISSUES APPEARED NORMAL.
	1897	DP 83	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G8 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	OBSERVATIONS a
V 10.0	1810	DP 83	ALL TISSUES APPEARED NORMAL.
	1820	DP 83	ALL TISSUES APPEARED NORMAL.
	1823	DP 83	ALL TISSUES APPEARED NORMAL.
	1824	DP 82	ALL TISSUES APPEARED NORMAL.
	1827	DP 82	ALL TISSUES APPEARED NORMAL.
	1828	DP 82	ALL TISSUES APPEARED NORMAL.
	1837	DP 82	ALL TISSUES APPEARED NORMAL.
	1840	DP 83	ALL TISSUES APPEARED NORMAL.
	1841	DP 83	ALL TISSUES APPEARED NORMAL.
	1843	DP 82	ALL TISSUES APPEARED NORMAL.
	1848	DP 81	ALL TISSUES APPEARED NORMAL.
	1852	DP 83	ALL TISSUES APPEARED NORMAL.
	1866	DP 83	ALL TISSUES APPEARED NORMAL.
	1873	DP 84	ALL TISSUES APPEARED NORMAL.
	1878	DP 84	ALL TISSUES APPEARED NORMAL.
	1884	DP 85	ALL TISSUES APPEARED NORMAL.
	1888	DP 82	ALL TISSUES APPEARED NORMAL.
	1889	DP 80	ALL TISSUES APPEARED NORMAL.
	1893	DP 80	ALL TISSUES APPEARED NORMAL.
	1898	DP 83	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTPARTUM
a. Refer to the individual clinical observations table (Table C13) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
1502	529.	0.051	9.64
1508	418.	0.033	7.89
1522	471.	0.027	5.73
1531	499.	0.032	6.41
1536	475.	0.030	6.32
1547	496.	0.030	6.05
1550	498.	0.039	7.83
1557	480.	0.029	6.04
1562	546.	0.040	7.33
1567	464.	0.045	9.70
1568	522.	0.036	6.90
1570	516.	0.020b	3.88
1572	489.	0.038	7.77
1577	477.	0.044	9.22
1581	485.	0.031	6.39
1585	412.	0.036	8.74
1586	414.	0.030	7.25
1590	507.	0.025	4.93
1594	568.	0.043	7.57
1596	529.	0.031	5.86

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY									
1547	496.	2.1165	0.43	1.1071	0.22	0.3271	0.06	0.2176	0.04	0.3172	0.06
1568	522.	2.2465	0.43	1.1200	0.21	0.3993	0.08	0.2276	0.04	0.3314	0.06
1581	485.	2.2637	0.47	1.1971	0.25	0.3706	0.08	0.2005	0.04	0.3348	0.07
1586	414.	2.1097	0.51	1.0766	0.26	0.3731	0.09	0.1745	0.04	0.3325	0.08
1590	507.	2.2033	0.43	1.2468	0.24	0.4278	0.08	0.2074	0.04	0.3562	0.07
1596	529.	2.3096	0.44	1.2192	0.23	0.3419	0.06	0.2172	0.04	0.3314	0.06

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 3): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
1505	465.	0.045	9.68
1506	527.	0.029	5.50
1511	519.	0.030	5.78
1512	476.	0.023	4.83
1513	470.	0.037	7.87
1518	511.	0.025	4.89
1534	484.	0.029	5.99
1546	524.	0.042	8.02
1553	488.	0.034	6.97
1555	444.	0.028	6.31
1556	485.	0.024	4.95
1560	505.	0.045	8.91
1563	527.	0.036	6.83
1569	FOUND DEAD ON DAY 17 POSTPARTUM		
1571	543.	0.037	6.81
1575	492.	0.048	9.76
1579	449.	0.034	7.57
1582	470.	0.050	10.64
1595	477.	0.031	6.50
1600	450.	0.038	8.44

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 4): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP II			0.1 MG/KG/DAY								
1506	527.	2.3073	0.44	1.2337	0.23	0.3589	0.07	0.2268	0.04	0.3250	0.06
1512	476.	2.1064	0.44	1.0818	0.23	0.3382	0.07	0.2053	0.04	0.3184	0.07
1546	524.	2.3140	0.44	1.2203	0.23	0.4078	0.08	0.2106	0.04	0.3228	0.06
1560	505.	2.1911	0.43	1.1708	0.23	0.3628	0.07	0.1904	0.04	0.3334	0.07
1579	449.	2.1325	0.47	1.1173	0.25	0.3405	0.08	0.1964	0.04	0.3275	0.07
1600	450.	2.0085	0.45	1.0700	0.24	0.3244	0.07	0.1890	0.04	0.2878	0.06

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS (SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 5): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
1503	498.	0.033	6.63
1504	444.	0.027	6.08
1509	542.	0.033	6.09
1515	508.	0.042	8.27
1516	437.	0.034	7.78
1517	481.	0.029	6.03
1521	480.	0.026	5.42
1525	457.	0.031	6.78
1530	494.	0.027	5.46
1535	470.	0.028	5.96
1542	574.	0.038	6.62
1544	427.	0.030	7.02
1549	486.	0.037	7.61
1554	464.	0.031	6.68
1558	524.	0.033	6.30
1561	489.	0.029	5.93
1580	489.	0.038	7.77
1591	554.	0.042	7.58
1592	467.	0.031	6.64
1599	542.	0.043	7.93

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 6): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP III			1.0 MG/KG/DAY								
1503	498.	2.2201	0.44	1.1250	0.22	0.3672	0.07	0.2536	0.05	0.3547	0.07
1504	444.	2.3061	0.52	1.2065	0.27	0.3996	0.09	0.1891	0.04	0.3412	0.08
1509	542.	2.2420	0.41	1.1803	0.22	0.3547	0.06	0.2314	0.04	0.3253	0.06
1525	457.	2.2936	0.50	1.2074	0.26	0.3918	0.08	0.1937	0.04	0.3409	0.07
1530	494.	2.1388	0.43	1.0944	0.22	0.3660	0.07	0.2104	0.04	0.3129	0.06
1561	489.	2.2223	0.45	1.1538	0.24	0.3675	0.08	0.2065	0.04	0.3232	0.07

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 7): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
1501	455.	0.025	5.49
1507	483.	0.027	5.59
1514	506.	0.029	5.73
1519	571.	0.029	5.08
1526	484.	0.031	6.40
1529	443.	0.040	9.03
1532	505.	0.042	8.32
1533	429.	0.032	7.46
1538	566.	0.043	7.60
1539	533.	0.028	5.25
1545	557.	0.029	5.21
1551	439.	0.023	5.24
1559	506.	0.031	6.13
1564	459.	0.042	9.15
1565	464.	0.026	5.60
1574	557.	0.039	7.00
1576	566.	0.048	8.48
1583	506.	0.064	12.65
1587	480.	0.035	7.29
1597	473.	0.033	6.98

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 8): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP IV			3.0 MG/KG/DAY								
1507	483.	2.1260	0.44	1.0846	0.22	0.3601	0.07	0.2014	0.04	0.3451	0.07
1514	506.	2.2085	0.44	1.1466	0.23	0.3719	0.07	0.2205	0.04	0.3771	0.07
1519	571.	2.1143	0.37	1.0906	0.19	0.3481	0.06	0.2329	0.04	0.2973	0.05
1526	484.	2.1962	0.45	1.1354	0.23	0.3940	0.08	0.1764	0.04	0.3253	0.07
1545	557.	2.3570	0.42	1.3003	0.23	0.3402	0.06	0.2093	0.04	0.3325	0.06
1597	473.	2.1251	0.45	1.0931	0.23	0.3391	0.07	0.2220	0.05	0.3062	0.06

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 9): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
1510	496.	0.033	6.65
1520	513.	0.034	6.63
1523	586.	0.047	8.02
1524	503.	0.032	6.36
1527	572.	0.030	5.24
1528	498.	0.032	6.42
1537	528.	0.035	6.63
1540	543.	0.025	4.60
1541	551.	0.044	7.98
1543	493.	0.040	8.11
1548	540.	0.028	5.18
1552	464.	0.028	6.03
1566	486.	0.029	5.97
1573	451.	0.045	9.98
1578	491.	0.043	8.76
1584	510.	0.036	7.06
1588	610.	0.037	6.06
1589	380.	0.035	9.21
1593	499.	0.032	6.41
1598	446.	0.026	5.83

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value is multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G9 (PAGE 10): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY							
1524	503.	2.1315	0.42	1.1004	0.22	0.3554	0.07	0.2120	0.04	0.3182	0.06
1537	528.	2.2584	0.43	1.1925	0.22	0.3927	0.07	0.1973	0.04	0.3289	0.06
1552	464.	2.0784	0.45	1.0880	0.23	0.3343	0.07	0.2016	0.04	0.3028	0.06
1566	486.	2.0328	0.42	1.0662	0.22	0.3080	0.06	0.1757	0.04	0.3023	0.06
1578	491.	2.2005	0.45	1.0900	0.22	0.4210	0.08	0.2041	0.04	0.3247	0.07
1593	499.	2.2401	0.45	1.1698	0.23	0.3682	0.07	0.2125	0.04	0.3189	0.06

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP I		0 (CARRIER) MG/KG/DAY	
1802	296.	0.026	8.78
1808	231.	0.039	16.88
1822	240.	0.020	8.33
1831	260.	0.020	7.69
1836	293.	0.022	7.51
1847	254.	0.027	10.63
1850	291.	0.035	12.03
1857	293.	0.030	10.24
1862	282.	0.028	9.93
1867	277.	0.028	10.11
1868	248.	0.027	10.89
1870	294.	0.026	8.84
1872	285.	0.020	7.02
1877	326.	0.050	15.34
1881	278.	0.033	11.87
1885	237.	0.025	10.55
1886	222.	0.044	19.82
1890	246.	0.027	10.98
1894	278.	0.028	10.07
1896	247.	0.019	7.69

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP I				0 (CARRIER) MG/KG/DAY							
1802	296.	2.0960	0.71	1.0849	0.37	0.3331	0.11	0.2453	0.08	0.3068	0.10
1808	231.	1.8819	0.81	1.0082	0.44	0.3164	0.14	0.1634	0.07	0.2844	0.12
1831	260.	1.9428	0.75	1.0334	0.40	0.3134	0.12	0.1718	0.07	0.2818	0.11
1850	291.	2.1007	0.72	1.1489	0.39	0.3046	0.10	0.1906	0.06	0.3061	0.10
1894	278.	2.1257	0.76	1.1406	0.41	0.3678	0.13	0.1774	0.06	0.3076	0.11
1896	247.	2.0558	0.83	1.0623	0.43	0.3472	0.14	0.1864	0.08	0.3245	0.13

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 3): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY	
1805	258.	0.032	12.40
1806	287.	0.031	10.80
1811	FOUND DEAD ON DAY 17 POSTPARTUM		
1812	250.	0.024	9.60
1813	253.	0.023	9.09
1818	252.	0.024	9.52
1834	293.	d	----
1846	283.	0.025	8.83
1853	295.	0.029	9.83
1855	272.	0.038	13.97
1856	305.	0.035	11.48
1860	330.	0.039	11.82
1863	247.	0.024	9.72
1869	274.	0.035	12.77
1871	309.	0.025	8.09
1875	296.	0.024	8.11
1879	290.	0.019	6.55
1882	224.	0.022	9.82
1895b	----	0.023	----
1900c	----	0.006	----

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.
b. Rat 1895 was moribund sacrificed on day 52 postpartum; value excluded from group averages and statistical analyses.
c. Rat 1900 was moribund sacrificed on day 24 postpartum; value excluded from group averages and statistical analyses.
d. Value was not recorded.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 4): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY							
1806	287.	1.9983	0.70	1.0288	0.36	0.2949	0.10	0.2449	0.08	0.2908	0.10
1853	295.	2.0592	0.70	1.1305	0.38	0.3074	0.10	0.3063	0.10	0.1772	0.06
1863	247.	2.0060	0.81	1.0528	0.43	0.3228	0.13	0.1889	0.08	0.2997	0.12
1875	296.	2.1218	0.72	1.1186	0.38	0.3611	0.12	0.1829	0.06	0.2992	0.10
1879	290.	2.0772	0.72	1.0820	0.37	0.3387	0.12	0.2023	0.07	0.3011	0.10
1882	224.	2.0269	0.90	1.0354	0.46	0.3458	0.15	0.1832	0.08	0.3024	0.14

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 5): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP III		1.0 MG/KG/DAY	
1803	308.	0.027	8.77
1804	244.	0.020	8.20
1809	293.	0.035	11.94
1815	248.	0.037	14.92
1816	257.	0.033	12.84
1817	257.	0.017	6.61
1821	246.	0.030	12.20
1825	282.	0.040	14.18
1830	302.	0.036	11.92
1835	264.	0.018	6.82
1842	259.	0.031	11.97
1844	289.	0.028	9.69
1849	286.	0.028	9.79
1854	241.	0.029	12.03
1858	277.	0.028	10.11
1861	275.	0.027	9.82
1880	242.	0.024	9.92
1891	234.	0.027	11.54
1892	253.	0.021	8.30
1899	260.	0.025	9.62

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 6): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP III				1.0 MG/KG/DAY							
1804	244.	2.0557	0.84	1.1003	0.45	0.3003	0.12	0.2299	0.09	0.2995	0.12
1817	257.	1.8406	0.72	0.9566	0.37	0.2720	0.10	0.2162	0.08	0.2820	0.11
1830	302.	1.8884	0.62	1.0136	0.34	0.3210	0.11	0.1809	0.06	0.2868	0.09
1854	241.	1.8941	0.78	1.0037	0.42	0.3192	0.13	0.1712	0.07	0.2692	0.11
1858	277.	2.0061	0.72	0.9857	0.36	0.3260	0.12	0.1811	0.06	0.2821	0.10
1880	242.	2.0556	0.85	1.0938	0.45	0.3279	0.14	0.1790	0.07	0.2934	0.12

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

ARGUS 1613-002

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 7): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY	
1801	287.	0.032	11.15
1807	263.	0.043	16.35
1814	242.	0.024	9.92
1819	240.	0.028	11.67
1826	268.	0.025	9.33
1829	256.	0.029	11.33
1832	306.	0.023	7.52
1833	254.	0.026	10.24
1838	314.	0.031	9.87
1839	281.	0.029	10.32
1845	315.	0.025	7.94
1851	248.	0.020	8.06
1859	290.	0.026	8.96
1864	278.	0.027	9.71
1865	254.	0.020	7.87
1874	302.	0.030	9.93
1876	341.	0.023	6.74
1883	292.	0.040	13.70
1887	256.	0.029	11.33
1897	280.	0.040	14.28

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 8): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHTS TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP IV		3.0 MG/KG/DAY									
1826	268.	1.8332	0.68	0.9615	0.36	0.3162	0.12	0.1893	0.07	0.2279	0.08
1829	256.	2.0182	0.79	1.0503	0.41	0.3254	0.13	0.1917	0.07	0.2997	0.12
1838	314.	2.0261	0.64	1.0508	0.33	0.3452	0.11	0.1916	0.06	0.2867	0.09
1839	281.	2.0923	0.74	1.0978	0.39	0.3275	0.12	0.2051	0.07	0.3012	0.11
1865	254.	1.9955	0.78	1.0505	0.41	0.3473	0.14	0.1521	0.06	0.3144	0.12
1876	341.	1.9907	0.58	1.0547	0.31	0.3313	0.10	0.1793	0.05	0.2797	0.08

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 9): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	THYROID ABS. WT.	THYROID REL. % TBW a
MATERNAL DOSAGE GROUP V		10.0 MG/KG/DAY	
1810	260.	0.028	10.77
1820	300.	0.024	8.00
1823	261.	0.024	9.20
1824	243.	0.026	10.70
1827	298.	0.037	12.42
1828	339.	0.038	11.21
1837	252.	0.022	8.73
1840	268.	0.038	14.18
1841	341.	0.029	8.50
1843	270.	0.029	10.74
1848	354.	0.037	10.45
1852	300.	0.030	10.00
1866	249.	0.027	10.84
1873	216.	0.019	8.80
1878	298.	0.035	11.74
1884	253.	0.020	7.90
1888	351.	0.037	10.54
1889	284.	0.028	9.86
1893	229.	0.024	10.48
1898	259.	0.035	13.51

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Value was multiplied by 1000.

PROTOCOL 1613-002: A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS
(SPONSOR'S STUDY NUMBER: 7757A210-1096-25F)

TABLE G10 (PAGE 10): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS - SUBSET 4

RAT NUMBER	TERMINAL BODY WEIGHT	WHOLE BRAIN		TELENCEPHALON		DIENCEPHALON/ MESENCEPHALON		MEDULLA OBLONGATA/PONS		CEREBELLUM	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
MATERNAL DOSAGE GROUP V				10.0 MG/KG/DAY							
1820	300.	2.1115	0.70	1.1079	0.37	0.3321	0.11	0.2184	0.07	0.3173	0.10
1841	341.	2.1518	0.63	1.1356	0.33	0.3481	0.10	0.1867	0.05	0.3050	0.09
1852	300.	1.9986	0.67	1.0532	0.35	0.3093	0.10	0.1977	0.06	0.2975	0.10
1873	216.	1.9507	0.90	1.0484	0.48	0.3183	0.15	0.1909	0.09	0.2856	0.13
1878	298.	2.0308	0.68	1.0750	0.36	0.3260	0.11	0.1809	0.06	0.3110	0.10
1884	253.	2.0044	0.79	1.0342	0.41	0.3424	0.14	0.1927	0.08	0.2941	0.12

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

ARGUS 1613-002

APPENDIX H

PROTOCOL AND AMENDMENTS

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-8710 F: (215) 443-8587

PROTOCOL 1613-002

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

STUDY TITLE: A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

PURPOSE: The purpose of this study is to provide information for use in evaluating the potential for neurobehavioral effects in offspring after exposure to ammonium perchlorate *in utero* and during the neonatal period.

TESTING FACILITY: Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044-1297
Telephone: (215) 443-8710
Telefax: (215) 443-8587

STUDY DIRECTOR: Raymond G. York, Ph.D., DABT
Associate Director of Research

SPONSOR: Man Tech Geo-Centers Joint Venture
Man Tech Environmental Technology, Inc.
P.O. Box 31009
Dayton, Ohio 45437-0009

Federal Express Shipping Address:

2856 G Street
Area B, Building 79, Room 154
Wright Patterson Air Force Base, Ohio 45433-7400
Telephone: (937) 255-5150 Ext. 3142
Telefax: (937) 258-2197

STUDY MONITOR: Darol E. Dodd, Ph.D.
Director, Toxic Hazards Research

REGULATORY CITATIONS:

U.S. Environmental Protection Agency (1996). Health Effects Test Guidelines; Developmental Neurotoxicity Study. Office of Prevention, Pesticides and Toxic Substances (OPPTS) 870.6300, June, 1996.

U.S. Environmental Protection Agency. Federal Insecticide, Fungicide and Rodenticide Act (FIFRA); Good Laboratory Practice Standards; Final Rule. 40 CFR Part 160.

U.S. Environmental Protection Agency. Toxic Substances Control Act (TSCA); Good Laboratory Practice Standards; Final Rule. 40 CFR Part 792.

REGULATORY COMPLIANCE

This study will be conducted in compliance with the Good Laboratory Practice (GLP) regulations cited above.

Evidence of the ability of tests included in this protocol to detect effects of positive control substances will be provided (Testing Facility Positive Control Data).

All changes or revisions of this protocol shall be documented, signed by the Study Director and the Sponsor, dated and maintained with the protocol.

The Quality Assurance Unit (QAU) will audit the protocol, the raw data and the report, and will inspect critical phases of the study in accordance with the Standard Operating Procedures of Argus Research Laboratories, Inc.

The final report will include a statement signed by the Study Director that the report accurately reflects the raw data obtained during the performance of the study and that all applicable GLP regulations were followed in the conduct of the study. Should significant deviations from GLP regulations occur, each will be described in detail, together with how the deviation might affect the quality or integrity of the study.

SCHEMATIC OF STUDY DESIGN AND STUDY SCHEDULE:

See ATTACHMENT 1 to the protocol.

TEST SUBSTANCE AND CARRIER:

Identification:

Test Substance:

Ammonium Perchlorate (CAS No. 7790-98-9), Lot 03907LF. The bulk test substance will be provided by the Sponsor.

Carrier:

Non-chlorinated reverse osmosis membrane processed deionized water (R.O. deionized water). Results of R.O. deionized water analyses will be included in the raw data and the final report.

Neither the Sponsor nor the Study Director is aware of any potential contaminants likely to be present in the carrier that would interfere with the results of this study. During the course of the study the Sponsor will conduct analyses of the carrier to detect nitrates.

No analyses other than those mentioned in this protocol will be conducted.

Safety Precautions:

Gloves, mask, appropriate eye protection, full Tyvek® suit and half-face respirator to be worn during formulation preparation and exposure. The Material Safety Data Sheet (MSDS) is attached to the protocol (see ATTACHMENT 2).

Storage:

Bulk Test Substance:	Room temperature.
Carrier:	Room temperature.
Prepared Formulations:	Prepared stock formulations will be stored refrigerated. Dosage solutions will be allowed to be brought to room temperature prior to use.

All test substance shipments to the Testing Facility should be addressed to the attention of Julian Gulbinski, Manager of Formulations, at the previously cited address and telephone number.

Shipments should include information concerning storage conditions and shipping cartons should be labeled appropriately. The recipient should be notified in advance of sample shipment.

FORMULATION:

Frequency of Preparation:

Formulations of the test substance will be prepared weekly at the Testing Facility.

Detailed preparation procedures are attached to this protocol (see ATTACHMENT 3).

Adjustment for Purity:

The test article will be considered 100% active for the purpose of dosage calculations.

Testing Facility Reserve Samples:

The Testing Facility will reserve a 5 g sample of each lot of bulk test substance and a 5 mL sample of the carrier used during the course of the study. Samples will be stored under the previously cited conditions.

ANALYSES:

Samples additional to those described below may be taken if deemed necessary during the course of the study.

Bulk Test Substance Sampling:

The lot of the test substance to be used in this study was analyzed prior to study initiation. The Certificate of Analysis will be maintained in the raw data.

A 1 g sample of the test substance will be taken on the last day of treatment and sent (ambient conditions) to the Sponsor to the attention of the Study Monitor at the previously cited address. The recipient will be notified in advance of sample shipment.

Stability of Prepared Solutions:

Stability of the prepared formulations bracketing the range of concentrations to be used in this study will be established by the Sponsor during the prestudy analysis.

Concentration Analyses:

Concentration of the test substance in prepared solutions will be verified during the course of this study. Duplicate samples (2 mL each) will be taken from each formulation on the day of the first preparation and monthly thereafter for the remainder of the exposure period. One sample of each duplicate set will be shipped for analysis; the remaining samples will be retained at the Testing Facility as backup samples. Backup samples will be stored under the previously cited conditions and discarded at the Testing Facility following report finalization.

Shipping Instructions:

Samples of prepared solutions to be analyzed for concentration and test substance preparation will be shipped (ambient conditions) to:

Darol E. Dodd, Ph.D.
2856 G Street
Area B, Building 79, Room 154
Wright Patterson Air Force Base, Ohio 45433-7400
Telephone: (937) 255-5150 Ext. 3142
Telefax: (937) 258-2197

The recipient will be notified in advance of sample shipment.

DISPOSITION:

All remaining bulk test substance and prepared formulations will be discarded at the Testing Facility.

TEST SYSTEM:

Species/Strain - Reason for Selection:

The Crl:CD®BR VAF/Plus® (Sprague-Dawley) rat was selected as the Test System because this strain of rat has been demonstrated to be sensitive to reproductive and developmental toxins and has been widely used throughout industry for reproductive and developmental toxicity evaluations.

Number:

Fo Generation:

Initial population acclimated:	175 virgin female rats.
Population selected for study:	125 mated female rats (25 presumed pregnant rats per dosage group)

F1 Generation:

A minimum of 20 litters per dosage group will be evaluated.

A maximum of 160 (80 male and 80 female) pups per dosage group will be selected for continued postnatal observation.

Body Weight and Age:

Female rats will be ordered to have body weights of 200 g to 225 g each at receipt, at which time they will be expected to be at least 60 days of age. Actual body weights will be recorded the day after receipt and will be documented in the raw data.

Sex:

Female rats will be given the test substance. Male rats of the same source and strain will be used only as breeders and are not considered part of the Test System. Both male and female F1 generation rats will be evaluated.

Source:

Fo Generation:

Charles River Laboratories, Inc.

The rats will be shipped in filtered cartons by air freight and/or truck from Charles River Laboratories, Inc., to the Testing Facility.

F1 Generation:

Offspring will be delivered by the pregnant Fo generation dams in this study and will be born at the Testing Facility.

Identification:

Fo Generation:

Rats are permanently identified using Monel® self-piercing ear tags (Gey Band and Tag Co., Inc., No. MSPT 20101). Male rats are given unique permanent identification numbers upon assignment to the Testing Facility's breeder male rat population. Female rats are assigned temporary numbers at receipt and given unique permanent identification numbers when assigned to the study on the basis of day 0 of presumed gestation body weights.

F1 Generation:

On day 5 postpartum (after the litters are culled), the pups retained for study will be individually identified within the litter by their respective sequence numbers on that day. Ink will be injected under the skin of the paws and/or tail to individually mark the pups. Whenever possible, all data will be evaluated in terms of the litter before weaning.

When rat pups are 22 days old, each pup selected to be continued on study will be uniquely identified with an ear tag inscribed with a unique animal number.

ANIMAL HUSBANDRY:

All cage sizes and housing conditions are in compliance with the *Guide for the Care and Use of Laboratory Animals*[1].

Housing:

Fo Generation Rats/F1 Generation Litters:

Fo generation rats will be individually housed in stainless-steel wire-bottomed cages except during the cohabitation and postpartum periods. During cohabitation, each pair of rats will be housed in the male rat's cage. On Day 0 of presumed gestation, the female rats will be removed from cohabitation and individually housed. Beginning no later than day 20 of presumed gestation, Fo generation female rats assigned to natural delivery will be individually housed in nesting boxes. Each dam and delivered litter will be housed in a common nesting box during the postpartum period.

F1 Generation Rats:

After weaning, the F1 generation rats will be individually housed. The same type of caging will be used as described for the Fo generation rats.

Nesting Material:

Bed-o'cobs®.

Bedding will be changed as often as necessary to keep the animals dry and clean. Analyses for possible contamination are conducted annually and documented in the raw data.

Room Air, Temperature and Humidity:

The animal room is independently supplied with at least ten changes per hour of 100% fresh air that has been passed through 99.97% HEPA filters (Airo Clean® room). Room temperature will be maintained at 64°F (18°C) to 79°F (26°C) and monitored constantly. Room humidity will also be monitored constantly and maintained at 30% to 70%.

Light:

An automatically-controlled 12-hour light:12-hour dark fluorescent light cycle will be maintained. Each dark period will begin at 1900 hours EST. Cages will be rotated to ensure that all rats have equal exposure to light.

Diet:

Rats will be given Certified Rodent Diet® #5002 (Purina Mills, Inc.) available *ad libitum* from individual feeders. The same feed lot will be available to the rats for the duration of the in-life portion of the study, this information will be documented in the raw data.

Water:

Chlorine will not be added to the R.O. water as a bacteriostat during the acclimation and exposure period.

All water will be from a local source and passed through a reverse osmosis membrane before use. Water is analyzed monthly for possible bacterial contamination and twice annually for possible chemical contamination.

During the acclimation and pre-exposure periods, rats will be given R.O. deionized water only available *ad libitum* from individual amber bottles attached to the cages. During the exposure period, rats will be given either R.O. deionized water only (carrier control group) or test drinking water prepared using R.O. deionized water and the test substance. These will be available *ad libitum* from individual bottles attached to the cages. During the postexposure lactation period (following day 10 postpartum), the dam and litter will be given R.O. deionized water with chlorine (added as a bacteriostat) via individual clear water bottles. During the postexposure period, following weaning, F1 pups selected for continued observation will be given R.O. deionized water with chlorine (added as a bacteriostat) via individual clear water bottles and/or automatic watering system.

Contaminants:

Neither the Sponsor nor the Study Director is aware of any potential contaminants likely to be present in the certified diet or the nesting material at levels that would interfere with the results of this study. The drinking water (carrier) will be analyzed by the Sponsor, as previously described. Therefore, no analyses other than those routinely performed by the feed supplier or those mentioned in this protocol will be conducted.

RANDOMIZATION AND COHABITATION:

Upon arrival, male and female rats will be assigned to individual housing on the basis of computer-generated random units. After an acclimation period of two weeks, virgin female rats will be cohabited with breeder male rats, one male rat per female rat. The cohabitation period will consist of a maximum of seven days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ* will be considered to be at day 0 of presumed gestation and assigned to individual housing.

Healthy mated female rats will be assigned to exposure groups based on computer-generated (weight-ordered) randomization procedures.

Day 1 of lactation (postnatal day 0) is defined as the day of birth and is also the first day on which all pups in a litter are individually weighed (pup body weights will be recorded after all pups in a litter are delivered and groomed by the dam).

On day 5 postpartum, a table of random units will be used to select pups to be culled, and litters will be reduced to eight pups each. Whenever possible, the same number of male and female pups per litter will be continued on study. Litters with fewer than seven pups will not be retained. All pups that are not culled will be individually identified within the litter.

On day 10 postpartum, up to five dams per dosage group will be sacrificed for assessment of thyroid parameters, including TSH, T3, T4, thyroid weight and thyroid histopathology, as described under scheduled sacrifice of dams not selected for continued observation. These rats will be selected based on the following prioritized criteria: 1) rats that fail to deliver a litter; 2) dams with litters less than 8 pups; or 3) table of random units or a randomization program should the first two options fail to provide five dams per dosage group.

On day 12 postpartum, pups will be selected for brain weight measurements and neurohistology (Subset 1). A table of random units or a randomization program will be used to select one male or one female pup from each litter such that:

1) all litters in each dosage group are represented; and
2) an equal number (when possible) of male and female pups are selected from each dosage group.

When the number of males and females in a litter is not equal, a pup will be selected from the larger set. Brain weight measurements will be made for all selected pups. A table of random units or a randomization program will be used to select 12 of those pups (six male and six female pups) for neurohistological examination.

After day 12 postpartum, a table of random units or a randomization procedure will be used to select three male and three female pups (when possible) from each litter for continued observation. One male and one female pup will be assigned to each evaluation as follows: watermaze and passive avoidance evaluations (Subset 2); motor activity and auditory startle habituation (Subset 3), and brain weights and neuropathology examinations at sacrifice (Subset 4). At sacrifice of F1 generation rats assigned to subset 4, after completion of all the postweaning behavioral evaluations, a table of random units will be used to select six rats of each sex and dosage group for regional brain weight measurements and another six rats of each sex and dosage group for neurohistological examination. No more than one male rat or one female rat will be selected from each litter for each evaluation.

ADMINISTRATION:

Route and Reason for Choice:

The oral (drinking water) route was selected for use because it is the most likely route of human exposure.

Method and Frequency:

Fo Generation Rats:

Female rats will be given continual access to the test substance in the drinking water beginning on day 0 of presumed gestation and continuing through day 31 of presumed gestation (rats that do not deliver a litter) or continuing through day 10 of the lactation period (dams that deliver a litter). Rats are being dosed for a longer period than recommended in the EPA guidelines in order to ensure that the dams have achieved a hypothyroid condition.

A constant concentration (%) of the test substance equivalent to the target doses specified in the table below will be offered to the female rats in the drinking water. The actual dosages in mg/kg/day consumed will be calculated and presented for periods corresponding to body weight and water consumption observations. Concentrations may be adjusted, if necessary, based on these calculations, to more closely match the target dosage levels.

F1 Generation Rats:

F1 generation pups will not be directly given the test substance but may be possibly exposed to the test substance during maternal gestation (*in utero* exposure) or via maternal milk during the lactation period.

Rationale for Dosage Selection:

A vehicle control and four test substance concentrations will be given to the rats. Dosages were selected by the Sponsor after peer review of protocols by an expert panel. Test substance concentrations may be adjusted if toxicity observed in the rats indicates that it is required.

Target Dosages and Concentrations:

Group	Target Dosage (mg/kg/day)	Concentration (µg/mL)[a]	Number of Fo Female Rats	Number of F1 Rats Per Sex
1	0 (Carrier)	0	25	80
2	0.1	0.8	25	80
3	1.0	7.6	25	80
4	3.0	22.8	25	80
5	10.0	75.8	25	80

a. Based on average water consumption of 33 mL/animal/day (132 mL/kg/day) for a 250 g female rat. These concentrations would be adjusted weekly based on actual water consumption levels recorded the previous week. The test article will be considered 100% active for the purpose of dosage calculations.

TESTS, ANALYSES AND MEASUREMENTS - Fo GENERATION RATS:

Viability:

All Periods: At least twice daily.

Clinical Observations and/or General Appearance:

Pre-exposure Periods: Observations will be made and recorded at least weekly, at approximately the same time each week.

Exposure Period: An individual unaware of each rat's dosage group will examine the rats for signs of autonomic dysfunction, abnormal postures, abnormal movements or abnormal behavior patterns, and unusual appearance daily beginning on Day 0 of presumed gestation. Observations will be made at approximately the same time each day.

Maternal Behavior: Days 1, 5, 8, 14 and 22 postpartum (rats assigned to natural delivery). Observed abnormal behavior recorded daily at approximately the same time each day.

Clinical observations may be recorded more frequently than cited above, if deemed appropriate by the Study Director and/or Study Monitor.

Body Weights:

Pre-exposure Periods: At least weekly.

Exposure/Postexposure Periods: Daily beginning on Day 0 of presumed gestation.

Sacrifice: Terminal weight.

Feed Consumption Values (recorded and tabulated):

Exposure/Postexposure Periods: Daily beginning on Day 0 of presumed gestation.

Water Consumption Values:

Exposure Period: Daily beginning on Day 0 of presumed gestation.

Natural Delivery:

Female rats will be evaluated for:

Duration of Gestation (day 0 of presumed gestation to the time the first pup is delivered).

Litter Size (defined as all pups delivered).

Live Litter Size (liveborn pups only).

Pup Viability at Birth.

TESTS, ANALYSES AND MEASUREMENTS - F1 GENERATION RATS:

Viability:

Preweaning Period: Litters will be observed for dead pups at least twice daily. The pups in each litter will be counted once daily.

Postweaning Period: Twice daily.

Clinical Observations and/or General Appearance:

Preweaning Period:	Daily. Observations will be made at approximately the same time each day.
Postweaning Period:	Daily. Observations will be made at approximately the same time each day. An individual unaware of the maternal dosage group will examine the rats on the days they are weighed or handled for behavioral testing; the rats will be examined for signs of autonomic dysfunction, abnormal postures, movements or behavior patterns, and unusual appearance, to the extent that these evaluations can be made at each age.

Body Weights:

Preweaning Period:	Days 1 (birth), 5 (values cited both pre- and postculling), 8, 12, 14, 18 and 22 postpartum.
Postweaning Period:	Weekly.
Sacrifice:	Terminal weight.

Feed Consumption Values (recorded and tabulated):

Preweaning Period:	Not recorded.
Postweaning Period:	Weekly.

Behavioral and Developmental Observations and Evaluations - F1 Generation Rats/Pups:

Sexual Maturation:

Male rats will be evaluated for the age of preputial separation beginning on day 39 postpartum.

Female rats will be evaluated for the age of vaginal patency beginning on day 28 postpartum.

Motor Activity:

Motor activity will be evaluated on days 14, 18, 22 and 61 (±2 days) postpartum. One male and one female rat (when possible) from each litter will be examined throughout the five testing periods.

The movements of each rat will be monitored by a passive infrared sensor mounted outside a stainless-steel wire-bottomed cage (40.6 x 25.4 x 17.8 cm). During preweaning sessions each pup will be tested on solid flooring. Each test session will be 1.5 hours in duration with the number of movements and time spent in movement tabulated at each five-minute interval. The apparatus will monitor a rack of up to 32 cages and sensors during each session, with each rat tested in the same location on the rack across test sessions. Groups will be counterbalanced across testing sessions and cages, where possible.

Data will be provided to demonstrate that the test system is capable of detecting increases in activity produced by positive control substances (Testing Facility Positive Control Data).

Auditory Startle Habituation:

Auditory startle habituation will be evaluated on days 23 and 61 (±2 days) postpartum. One male and one female rat (when possible) from each litter will be tested on both days for their reactivity to auditory stimuli and habituation of responses with repeated presentation of stimuli.

The rats will be tested in sets of four within a sound-attenuated chamber. Each rat will be placed inside a small cage situated above a platform containing a force transducer in its base. A microcomputer will sample the output of the force transducer and control the test session. The rats will initially be given an adaptation period of five minutes. During the last minute of this period, ten "blank" trials will be given to sample the baseline force in the absence of a stimulus. The rats will then be presented with 20 msec, 120 dB bursts of noise at ten-second intervals for 50 trials. An additional ten "blank" trials will follow. The peak amplitude of each response will be recorded and the average response on baseline trials subtracted to calculate the response magnitude. The average response magnitude and the pattern of responses over ten trial blocks will be compared among the dosage groups.

Passive Avoidance Testing:

Beginning on days 23 to 25 postpartum, learning, short-term retention, long-term retention and hyperactivity will be examined in a passive avoidance test. One male rat and one female rat (when possible) from each litter will be tested.

The passive avoidance apparatus consists of a two-compartment chamber with hinged Plexiglas lids. One compartment is fitted with a bright light and Plexiglas floor. The other compartment is fitted with a grid floor to which a brief (1 sec) pulse of mild electric current (1 mA) can be delivered. The two compartments are separated by a sliding door. On each test trial, the rat is placed into the "bright" compartment, the sliding door is opened and the light is turned on. The rat is allowed to explore the apparatus until it enters the "dark" compartment. The sliding door is then immediately closed, the light is turned off and the brief pulse of current is delivered to the grid floor. The rat is then removed from the apparatus and placed into a holding cage for 30 seconds before the

start of the next trial. Trials are repeated until the rat remains in the "bright" compartment for 60 seconds on two consecutive trials (the criterion for learning) or until 15 trials have been completed. The latency to enter the dark compartment or the maximum 60-second interval is recorded for each trial.

Each rat is tested twice. The test sessions are separated by a one-week interval, and the criterion is the same for both days of testing.

Dosage groups are compared for the following dependent measures:

The number of trials to the criterion in the first session--this measure will be used to compare groups for overall learning performance.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the first test session--this measure will be used to compare groups for activity levels and exploratory tendencies in a novel environment.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 2 in the first test session--this measure will be used to compare groups for short-term retention.

The number of trials to the criterion in the second test session--this measure will be used to compare groups for long-term retention.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the second session--this value is another indication of long-term retention.

Watermaze Testing:

Beginning on days 59 to 63 postpartum, one male rat and one female rat (when possible) from each litter will be evaluated in a water-filled M-maze for overt coordination, swimming ability, learning and memory.

Each rat is tested in a watertight 16-gauge stainless-steel modified M-maze. The maze is filled with water to a depth of approximately nine inches, and the water is monitored for temperature (range of 21°C ± 1°C).

On each test trial, the rat will be placed into the starting position (base of the M-maze stem farthest from the two arms) and required to swim to one of the two goals of the M-maze, in order to be removed from the water. On the first trial, the rat is required to enter both arms of the maze before being removed from the water. The initial arm chosen on trial 1 is designated the incorrect goal during the remaining trials. Rats that fail to make a correct goal choice within 60 seconds in any given trial are guided to the correct goal and are then removed from the water. A 15-second intertrial interval will separate each trial. Each rat is required to reach a criterion of five consecutive errorless trials to terminate the test session. The maximum number of trials in any test

session is 15. Latency (measured in seconds) to choose the correct goal or the maximum 60-second interval is recorded for each trial, as is the number of errors (incorrect turns in the maze) during each trial.

Each rat is tested twice. The test sessions are separated by a one-week interval, and the correct goal and the criterion are the same for both test sessions. Dosage groups are compared for the following dependent measures:

The number of trials to criterion on the first day of testing--this measure will be used to compare groups for overall learning performance.

The average number of errors (incorrect turns in the maze) for each trial on the first day of testing--this measure will also be used to compare groups for overall learning performance.

The latency (in seconds) to reach the correct goal on trial 2 of the first day of testing--this measure will be used to compare groups for short-term retention.

The number of trials to criterion on the second day of testing--this measure will be used to compare groups for long-term retention.

The average number of errors for each trial on the second day of testing--this measure will also be used to compare groups for long-term retention.

The latency (in seconds) to reach the correct goal on trial 1 of day 2 of testing--this is another indicator of long-term retention.

METHOD OF SACRIFICE:

Rats will be sacrificed by carbon dioxide asphyxiation.

NECROPSY:

Gross lesions will be retained in neutral buffered 10% formalin for possible future evaluation (a table of random units will be used to select one control group rat of the Fo generation and one control group rat of each sex of the F1 generation from which all tissues examined at necropsy will be retained, in order to provide control tissues for any possible histopathological evaluations of gross lesions). Unless specifically cited below, all other tissues will be discarded.

Thyroids from all Fo generation rats will be excised and retained in neutral buffered 10% formalin for possible future evaluation. The same designated technician, where possible, will trim and weigh the thyroids at least 48 hours postfixation.

Histological Evaluation:

Histological examination will be performed on all gross lesions.

Thyroid tissues will be shipped (ambient conditions) to:

W. Ray Brown, D.V.M., Ph.D., ACVP
Veterinary Pathologist
Research Pathology Services, Inc.
438 E. Butler Avenue
New Britain, Pennsylvania 18901
Telephone: (215) 345-7070

The recipient will be notified in advance of sample shipment.

Fo Generation Female Rats/F1 Generation Male and Female Rats (Postweaning) Found Dead or Moribund:

Rats that die or are sacrificed because of moribund condition, abortion or premature delivery will be examined for the cause of death or moribund condition on the day the observation is made. The rats will be examined for gross lesions. Pregnancy status and uterine contents of female rats will be recorded. Uteri of apparently nonpregnant rats will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[2].

Scheduled Sacrifice of the Fo Generation Female Rats:

Dams Not Delivering a Litter:

Rats that do not deliver a litter will be sacrificed on day 31 of presumed gestation and examined for gross lesions. Uteri will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[2]. Up to five rats per dosage group may be selected from dams not delivering a litter for assessment of thyroid parameters.

Dams Not Selected for Continued Observation:

On day 10 postpartum, up to five dams per dosage group that deliver a litter and are not selected for continued observation will be sacrificed for assessment of thyroid parameters, including serum levels of TSH, T3 and T4, thyroid weights and thyroid histopathology (see Randomization section of the protocol for the prioritized criteria for selection of the dams). Whole blood samples will be taken at scheduled sacrifice via the inferior vena cava. Blood will be collected into serum separator tubes and centrifuged. The resulting sera samples will be aliquotted into three separate vials (approximately 500 µL of sera per aliquot), immediately frozen on dry ice and maintained frozen (-70°C) at the Testing Facility until shipment for analysis of the following thyroid parameters: T3, T4 and TSH. A gross necropsy of the thoracic,

abdominal and pelvic viscera will be performed; the number and distribution of implantation sites will be recorded.

Blood samples will be shipped frozen on dry ice under the previously described conditions to the Sponsor, at the address cited below:

Darol E. Dodd, Ph.D.
2856 G Street
Area B, Building 79, Room 154
Wright Patterson Air Force Base, Ohio 45433-7400
Telephone: (937) 255-5150 Ext. 3142
Telefax: (937) 258-2197

The recipient will be notified in advance of sample shipment.

Dams Selected for Continued Observation:

Dams that deliver a litter and selected for continued observation will be sacrificed on day 22 postpartum. A gross necropsy of the thoracic, abdominal and pelvic viscera will be performed; the number and distribution of implantation sites will be recorded.

Dams with No Surviving Pups:

Dams with no surviving pups will be sacrificed on day 10 postpartum (rats selected for assessment of thyroid parameters) or after the last pup is found dead or missing, presumed cannibalized. Up to five rats per dosage group may be selected from dams with no surviving pups for assessment of thyroid parameters. A gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. Postpartum data for these dams will be excluded from summary tables.

F1 Generation Pups Found Dead on Day 1 Postpartum:

Pups that die before examination of the litter for pup viability will be evaluated for vital status at birth. The lungs will be removed and immersed in water. Pups with lungs that sink will be identified as stillborn; pups with lungs that float will be identified as liveborn and to have died shortly after birth. Pups with gross lesions will be preserved in Bouin's solution for possible future evaluation.

F1 Generation Pups Found Dead or Moribund on Days 2 to 22 Postpartum:

Pups found dead or sacrificed because of moribundity will be examined for gross lesions and for the cause of death or the moribund condition. Pups with gross lesions found on days 2 to 5 postpartum will be preserved in Bouin's solution for possible future evaluation; gross lesions of pups found on days 6 to 22 postpartum will be preserved in neutral buffered 10% formalin.

F1 Generation Pups Not Selected for Continued Observation:

On day 5 postpartum, all offspring selected for culling will be sacrificed by carbon dioxide asphyxiation and necropsied. Pups with gross lesions will be preserved in Bouin's solution.

F1 generation pups not selected for continued observation postpartum day 10 will be sacrificed and examined for gross lesions.

Pups selected on postnatal day 12 for brain weight determination and neurohistological evaluation will be sacrificed and processed as described in ATTACHMENT 4. All rats will be examined for gross lesions.

Scheduled Sacrifice of F1 Generation Rats Selected for Continued Observation:

The F1 generation rats will be sacrificed after completion of all the postweaning behavioral evaluations. The regional brain weight measurements and neurohistological procedures performed on randomly selected subsets of the rats are described in ATTACHMENT 4. Rats not selected for these procedures will be sacrificed and examined for gross lesions.

Neurohistology Tissue Evaluation and Shipment

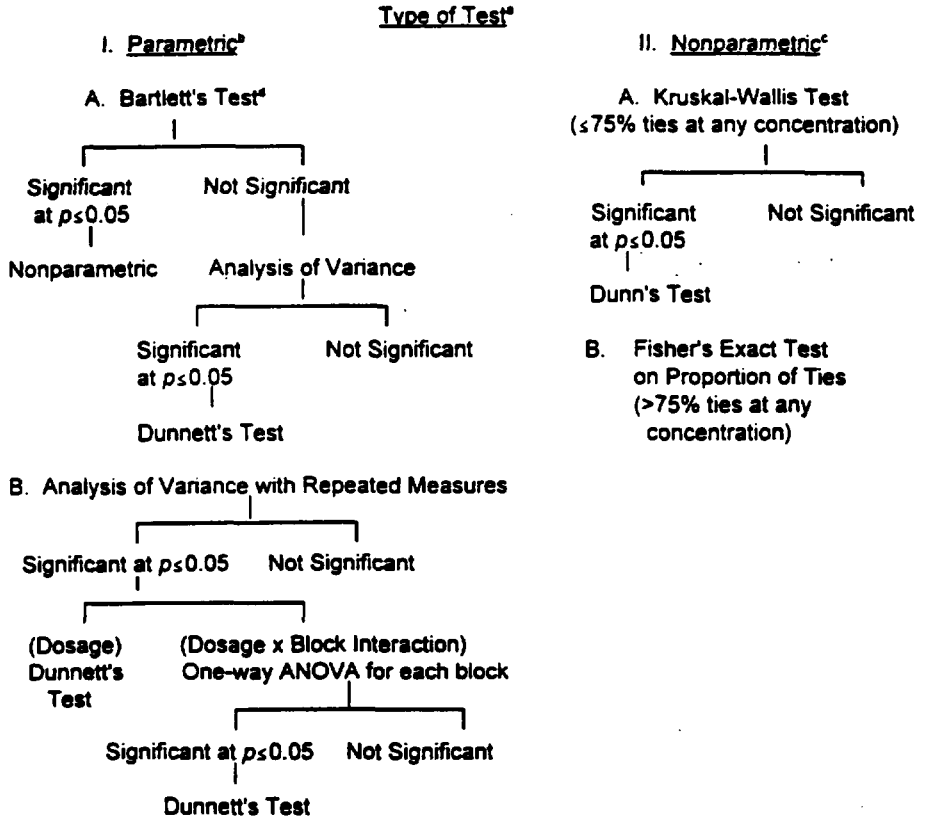
All control and high test substance concentration group rats selected for neurohistological examination will be evaluated. All gross lesions will be examined histologically. Tissues will be shipped (ambient conditions) to:

Robert H. Garman, D.V.M., Diplomate, ACVP
Consultants in Veterinary Pathology
112 Moonlight Drive
Monroeville, Pennsylvania 15146
Telephone: (412) 733-5154
Telefax: (412) 733-3032

The recipient will be notified in advance of sample shipment.

PROPOSED STATISTICAL TESTS:[3-10]

The following schematic represents the statistical analyses of the data:



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a. Statistically significant probabilities are reported as either $p \leq 0.05$ or $p \leq 0.01$.
b. Used only to analyze data with homogeneity of variance.
c. Proportion data are not included in this category.
d. Test for homogeneity of variance.

Adult data will be evaluated with the individual rat as the unit measured. Litter values will be used in evaluation of pup data, as appropriate. Alternate or additional statistical evaluations may be performed if or deemed necessary or appropriate.

Variables with interval or ratio scales of measurement, such as body weights, feed consumption values, latency and errors per trial scores in behavioral tests and percent mortality per litter will be analyzed as described under the Parametric heading of the schematic. Bartlett's Test of Homogeneity of Variances[3] will be used to estimate the probability that the dosage groups have different variances. A nonsignificant result ($p>0.05$) will indicate that an assumption of homogeneity of variance is not inappropriate, and the data will be compared using the Analysis of Variance Test[4]. If that test is significant ($p\leq 0.05$), the groups given the test substance will be compared with the control group using Dunnett's Test[5]. If Bartlett's Test is significant ($p\leq 0.05$), the Analysis of Variance Test is not appropriate, and the data will be analyzed as described under the Nonparametric heading of the schematic. When 75% or fewer of the scores in all the groups are tied, the Kruskal-Wallis Test[6] will be used to analyze the data, and in the event of a significant result ($p\leq 0.05$), Dunn's Test[7] will be used to compare the groups given the test substance with the control group. When more than 75% of the scores in any dosage group are tied, Fisher's Exact Test[8] will be used to compare the proportion of ties in the dosage groups.

Data from the motor activity and auditory startle habituation tests, with measurements recorded at intervals (Blocks) throughout each test session, will be analyzed using an Analysis of Variance with Repeated Measures[9], as described under that heading in the schematic. A significant result ($p\leq 0.05$) in that test can appear as effect of Dosage (differences among dosage groups in the totals of all measurements in a session) or as an interaction between Dosage and Block (differences in the patterns of dosage group values across the measurement periods). If the Dosage effect is significant, the totals for the control group and the groups given the test substance will be compared using Dunnett's test[5]. If the Dosage x Block interaction is significant, an Analysis of Variance Test[4] will be used to evaluate the data at each measurement period, and a significant result ($p\leq 0.05$) will be followed by a comparison of the dosage groups using Dunnett's test[5].

Variables having graded or count scores, such as litter size, the number of trials to a criterion in a behavioral test or the day a developmental landmark appears, will be analyzed using the procedures described under the Nonparametric heading of the schematic.

Clinical observation incidence data, as well as other proportion data, will be analyzed as contingency tables using the Variance Test for Homogeneity of the Binomial Distribution[10].

DATA ACQUISITION, VERIFICATION AND STORAGE:

Data will be hand- and/or computer-recorded. Records will be reviewed by the Study Director and/or appropriate management personnel within 21 days after generation. All original records will be stored in the archives of the Testing Facility. All original data will be bound and indexed. A copy of all raw data will be supplied to the Sponsor upon request. Preserved tissues will be stored at the Testing Facility at no charge for one year after mailing of the draft final report, after which time the Sponsor will be contacted to determine the disposition of these materials.

RECORDS TO BE MAINTAINED:

Protocol and Amendments.
Test Substance, Carrier and/or Reagent Receipt, Generation and Use.
Animal Acquisition.
Randomization Schedules.
Treatment (if prescribed by Staff Veterinarian).
Mating Histories.
General Comments.
Clinical Observations and/or General Appearance.
Body Weights.
Feed Consumption Values.
Water Consumption Values.
Litter Observations.
Sexual Maturation and Behavioral Evaluations - F1 Generation Pups.
Gross Necropsy Observations.
Blood Sample Collection, Processing and Shipment.
Tissue Sample Collection, Processing and Shipment.
Organ Weights.
Neurohistological Observations.
Photographs (if required).
Study Maintenance (room and environmental records).
Feed, Water and Bedding Analyses.
Packing and/or Shipment Lists.

KEY PERSONNEL:

Executive Director of Research: Mildred S. Christian, Ph.D., ATS
Director of Research: Alan M. Hoberman, Ph.D., DABT
Associate Director of Research and Study Director: Raymond G. York, Ph.D., DABT
Director of Laboratory Operations: John F. Barnett, B.S.
Chairperson, Animal Care Committee: Denise E. Holliday, D.V.M., DABT
Manager of Animal Operations and Member, Animal Care Committee:
Dena C. Lebo, V.M.D.
Manager of Regulatory Compliance: Kathleen A. Moran, M.S.
Consultant, Veterinary Pathology: W. Ray Brown, D.V.M., Ph.D., ACVP
Consultant, Veterinary Pathology: Robert H. Garman, D.V.M., Diplomate, A.C.V.P.

FINAL REPORT:

A comprehensive draft final report will be prepared on completion of the study and will be finalized following consultation with the Sponsor. The report will include the following:

Summary and Conclusion.
Experimental Design and Method.
Evaluation of Test Results.
Appendices: Figures, Summary and Individual Tables Summarizing the Above Data, Protocol and Associated Amendments and Deviations, Study Director's GLP Compliance Statement, Reports of Supporting Data (if appropriate), Testing Facility's Positive Control Data and Quality Assurance Unit Statement.

ANIMAL CARE COMMITTEE STATEMENT:

The procedures described in this protocol have been reviewed by the Testing Facility's Animal Care Committee. All procedures described in this protocol that involve study animals will be conducted in a manner to avoid or minimize discomfort, distress or pain to the animals.

Information concerning the necessity for conducting this study and the fact that this is not an unnecessarily duplicative study may be obtained from the Sponsor. No alternative (*in vitro*) procedures were available for meeting the stated purposes of the study.

REFERENCES:

1. Institute of Laboratory Animal Resources (1996). *Guide for the Care and Use of Laboratory Animals*. National Academy Press, Washington, D.C.

2. Salewski, E. (1964). Färbemethode zum makroskopischen Nachweis von Implantationsstellen am Uterus der Ratte. Arch. Pathol. Exp. Pharmakol. 247:367.

3. Sokal, R.R. and Rohlf, F.J. (1969). Bartlett's test of homogeneity of variances. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 370-371.

4. Snedecor, G.W. and Cochran, W.G. (1967). Analysis of Variance. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 258-275.

5. Dunnett, C.W. (1955). A multiple comparison procedure for comparing several treatments with a control. J. Amer. Stat. Assoc. 50:1096-1129.

6. Sokal, R.R. and Rohlf, F.J. (1969). Kruskal-Wallis Test. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 388-389.

7. Dunn, O.J. (1964). Multiple comparisons using rank sums. Technometrics 6(3):241-252.

8. Siegel, S. (1956). *Nonparametric Statistics for the Behavioral Sciences*, McGraw-Hill, New York, pp. 96-104.

9. SAS Institute, Inc. (1988). Repeated measures analysis of variance. *SAS/STAT™ User's Guide*, Release 6.03 Edition, Cary, NC, pp. 602-609.

10. Snedecor, G.W. and Cochran, W.G. (1967). Variance test for homogeneity of the binomial distribution. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 240-241.

PROTOCOL APPROVAL:

FOR THE TESTING FACILITY

Alan M. Hoberman, Ph.D., DABT
Director of Research

Date

Raymond G. York, Ph.D., DABT
Associate Director of Research and
Study Director

Date

Barbara J. Patterson, B.A.
Member, Animal Care Committee

Date

FOR THE SPONSOR

Darol E. Dodd, Ph.D.
Director, Toxic Hazards Research
Study Monitor

Date

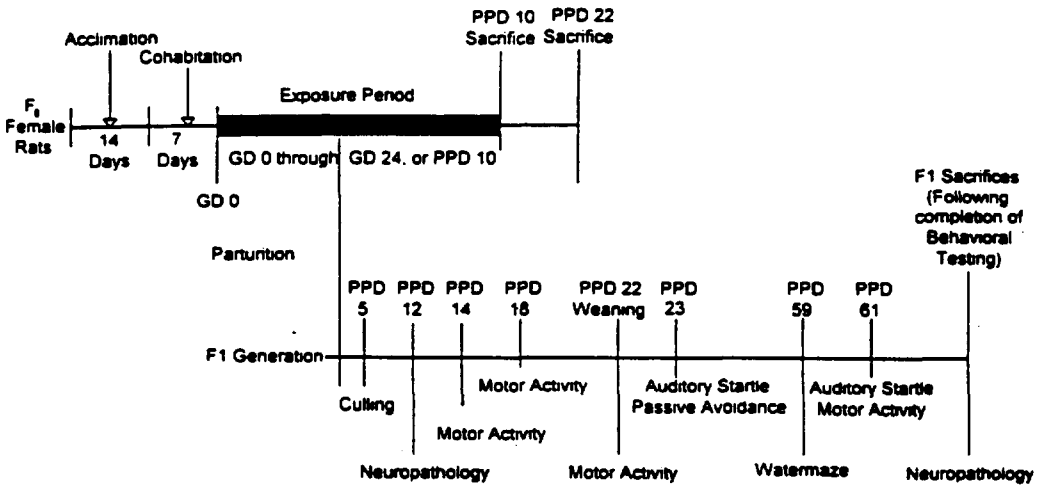
ATTACHMENT 1

SCHEMATIC OF STUDY DESIGN AND STUDY SCHEDULE

ATTACHMENT 1

STUDY SCHEMATIC

Developmental Neurotoxicity Study [a]



a. For additional details see "Tests, Analyses and Measurements" section of the protocol.

SCHEDULE[a]:

16 SEP 97	Animal Receipt of Fo Generation Female Rats-Acclimation Begins.
29 SEP 97 PM - 06 OCT 97 AM	Cohabitation Period.
30 SEP 97 - 06 OCT 97	Day 0 of Presumed Gestation.
30 SEP 97 - 09 NOV 97	Exposure Period (Day 0 of presumed gestation through day 10 of lactation[b]).
21 OCT 97	First Possible Delivery (Day 21 of presumed gestation).
31 OCT 97	Last Possible Delivery (Day 25 of presumed gestation).
31 OCT 97	First Possible Day 31 of Presumed Gestation Sacrifice of Fo Generation Female Rats.
06 NOV 97	Last Possible Day 31 of Presumed Gestation Sacrifice of Fo Generation Female Rats.
25 OCT 97 - 04 NOV 97	Day 5 Postpartum Culling of F1 Generation Pups Not Selected for Continued Observation.
30 OCT 97	First Possible Day 10 Postpartum - Scheduled Sacrifice of Fo Generation Dams Not Selected for Continued Observation (Litters Sacrificed).
09 NOV 97	Last Possible Day 10 Postpartum - Scheduled Sacrifice of Fo Generation Dams Not Selected for Continued Observation (Litters Sacrificed).
01 NOV 97	First Possible Day 12 Postpartum Selection for Brain Weight and Neurohistological Examination.
11 NOV 97	Last Possible Day 12 Postpartum Selection for Brain Weight and Neurohistological Examination.

a. The study initiation date is the day the Study Director signs the protocol.
b. The day of birth is designated postnatal day 0 (day 0 of lactation) in Addendum 10 to the Pesticide Assessment Guidelines of the U.S. Environmental Protection Agency (EPA). This same day is designated day 1 postpartum (day 1 of lactation) in the Standard Operating Procedures of the Test Facility. Throughout this protocol, the day of birth will be designated day 1 postpartum (day 1 of lactation) and all subsequent ages of the F1 generation rats and days of the lactation period will be determined and cited accordingly.

03 NOV 97 - 13 NOV 97	Day 14 Postpartum Evaluation of Motor Activity.
07 NOV 97 - 17 NOV 97	Day 18 Postpartum Evaluation of Motor Activity.
11 NOV 97 - 21 NOV 97	Day 22 Postpartum Evaluation of Motor Activity.
11 NOV 97	First Possible Day 22 Postpartum Weaning (Dams and pups not selected for continued evaluation sacrificed).
21 NOV 97	Last Possible Day 22 Postpartum Weaning.
12 NOV 97 - 22 NOV 97	Day 23 Postpartum Evaluation of Auditory Startle Habituation.
12 NOV 97 - 24 NOV 97	First Test Session of Passive Avoidance Testing (Days 23 to 25 Postpartum).
19 NOV 97 - 01 DEC 97	Second Test Session of Passive Avoidance Testing (Days 30 to 32 Postpartum).
17 NOV 97	Start of Sexual Maturation for Female Rats (Beginning on Day 28 Postpartum).
28 NOV 97	Start of Sexual Maturation for Male Rats (Beginning on Day 39 Postpartum).
18 DEC 97 - 01 JAN 98	Day 61 ± 2 Postpartum Evaluation of Motor Activity.
18 DEC 97 - 01 JAN 98	Day 61 ± 2 Postpartum Evaluation of Auditory Startle Habituation.
18 DEC 97 - 01 JAN 98	First Evaluation of Watermaze Testing (Days 59 to 63 Postpartum).
25 DEC 97 - 08 JAN 98	Second Evaluation of Watermaze Testing (Days 66 to 70 Postpartum).
12 JAN 98	F1 Generation Rats Sacrificed (Earliest Possible Date.)
29 APR 98	Draft Final Report.

ATTACHMENT 2

MATERIAL SAFETY DATA SHEET

PRODUCT #: 208507 NAME: AMMONIUM PERCHLORATE, 99.8%
MATERIAL SAFETY DATA SHEET, Valid 5/97 - 7/97
Printed Monday, July 14, 1997 9:22AM

Sigma Chemical Co.
P.O. Box 14508
St. Louis, MO 63178
Phone: 314-771-5765

Aldrich Chemical Co., Inc.
1001 West St. Paul
Milwaukee, WI 53233
Phone: 414-273-3850

Fluka Chemical Corp.
1001 West St. Paul
Milwaukee, WI 53233
Phone: 414-273-3850

SECTION 1. - - - - - - - - - - CHEMICAL IDENTIFICATION- - - - - - - - - -
CATALOG #: 208507
NAME: AMMONIUM PERCHLORATE, 99.8%
SECTION 2. - - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -
CAS #: 7790-98-9
MF: H4CLNO4
EC NO: 232-235-1
SYNONYMS
AMMONIUM PERCHLORATE (DOT) * UN0402 (DOT) * UN1442 (DOT) *
SECTION 3. - - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - - -
LABEL PRECAUTIONARY STATEMENTS
EXPLOSIVE
HARMFUL
HEATING MAY CAUSE AN EXPLOSION.
CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
HARMFUL IF SWALLOWED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
STRONG OXIDIZER.
KEEP AWAY FROM HEAT
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
SECTION 4. - - - - - - - - - - FIRST-AID MEASURES- - - - - - - - - - -
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
DISCARD CONTAMINATED CLOTHING AND SHOES.
SECTION 5. - - - - - - - - - - FIRE FIGHTING MEASURES - - - - - - - - - -
EXTINGUISHING MEDIA
WATER SPRAY.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
STRONG OXIDIZER.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS
MAY EXPLODE WHEN HEATED.
CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.
SECTION 6. - - - - - - - - - ACCIDENTAL RELEASE MEASURES- - - - - - - - -

EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - - - - - - HANDLING AND STORAGE- - - - - - - - - -

REFER TO SECTION 8.

ADDITIONAL INFORMATION

MIXTURES OF AMMONIUM PERCHLORATE WITH SULFUR, ORGANIC MATERIALS, FINELY DIVIDED METALS ARE EXPLOSIVE AND HAVE A SHOCK-SENSITIVITY EQUIVALENT TO PICRIC ACID. IT IS INCOMPATIBLE WITH ALUMINUM, COPPER, CARBON, POTASSIUM PERMANGANATE, POTASSIUM PERIODATE, POTASSIUM DICHROMATE, CADMIUM OXIDE, COPPER OXIDE, ZINC OXIDE, IRON OXIDE, DICHROMIUM TRIOXIDE, COPPER CHROMITE, METAL PERCHLORATES ALL OF WHICH CONSIDERABLY LOWER ITS EXPLOSION TEMPERATURE OF 440 C AND INCREASE ITS SENSITIVITY TO FRICTION. MIXTURES WITH PHOSPHOROUS ARE SHOCK-SENSITIVE. REACTS VIOLENTLY WITH CHLORINE OR CHLORINE DIOXIDE, EXPLOSIONS MAY RESULT.

SECTION 8. - - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
HARMFUL SOLID.
IRRITANT.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM COMBUSTIBLE MATERIALS, HEAT, SPARKS, AND OPEN FLAME.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - -

APPEARANCE AND ODOR

WHITE POWDER

PHYSICAL PROPERTIES

SPECIFIC GRAVITY: 1.950

SECTION 10. - - - - - - - - -STABILITY AND REACTIVITY - - - - - - - - -

INCOMPATIBILITIES

STRONG REDUCING AGENTS
STRONG ACIDS
HEAT-SENSITIVE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

AMMONIA

SECTION 11. - - - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - - -

ACUTE EFFECTS

HARMFUL IF SWALLOWED.
MAY BE HARMFUL IF INHALED.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

RTECS #: SC7520000

PERCHLORIC ACID, AMMONIUM SALT
TOXICITY DATA

ORL-RAT LD50:4200 MG/KG	GISAAA 28(8),8,63
ORL-MUS LD50:1900 MG/KG	GISAAA 28(8),8,63
ORL-RBT LD50:1900 MG/KG	GISAAA 28(8),8,63
ORL-GPG LD50:3310 MG/KG	GISAAA 28(8),8,63

TARGET ORGAN DATA
BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)
BEHAVIORAL (EXCITEMENT)
BEHAVIORAL (ATAXIA)
BEHAVIORAL (COMA)
LUNGS, THORAX OR RESPIRATION (DYSPNAE)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. - - - - - - - - - - ECOLOGICAL INFORMATION - - - - - - - - - -
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - - - -
FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE STIRRED EXCESS OF WATER. ADJUST THE PH TO NEUTRAL, SEPARATE ANY INSOLUBLE SOLIDS OR LIQUIDS AND PACKAGE THEM FOR HAZARDOUS-WASTE DISPOSAL. FLUSH THE AQUEOUS SOLUTION DOWN THE DRAIN WITH PLENTY OF WATER. THE HYDROLYSIS AND NEUTRALIZATION REACTIONS MAY GENERATE HEAT AND FUMES WHICH CAN BE CONTROLLED BY THE RATE OF ADDITION.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - - - - TRANSPORT INFORMATION - - - - - - - - -
CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - - - - - - REGULATORY INFORMATION - - - - - - - - - -
EUROPEAN INFORMATION
EC INDEX NO: 017-009-00-0
EXPLOSIVE
HARMFUL
R 9
EXPLOSIVE WHEN MIXED WITH COMBUSTIBLE MATERIAL.
R 44
RISK OF EXPLOSION IF HEATED UNDER CONFINEMENT.
S 25
AVOID CONTACT WITH EYES.
S 16
KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
S 27
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.
S 24/25
AVOID CONTACT WITH SKIN AND EYES.
REVIEWS, STANDARDS, AND REGULATIONS
OEL-MAK
NOHS 1974: HZD 80353; NIS 2; TNF 101; NOS 3; TNE 1062
NOES 1983: HZD 80353; NIS 1; TNF 7; NOS 1; TNE 1445; TFE 230
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16. - - - - - - - - - - OTHER INFORMATION- - - - - - - - - - - -
THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH, FLUKA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR

PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.
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FLUKA CHEMIE AG
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ATTACHMENT 3

TEST SUBSTANCE PREPARATION PROCEDURE

ATTACHMENT 3

TEST SUBSTANCE PREPARATION PROCEDURE

Test Substance: Ammonium Perchlorate
Vehicle: R.O. deionized water

A. Purpose:

The purpose of this procedure is to provide a method for the preparation of dosage solutions of ammonium perchlorate for oral administration to rats on Argus Study 1613-002.

B. General Information:

1. All solution containers will be labeled and color-coded. Each label will specify the protocol number, test substance identification, Argus batch number, concentration, dosage level, preparation date, expiration date and storage conditions.

2. Solutions will be prepared:

__ Daily __X__ Weekly __ For _ days of use
__ As required by Protocol __ By Sponsor

3. Solutions will be prepared from 1 stock solution (50 mg/mL, w:v) and diluted to each respective concentration. NOTE: Stock solution will be stored refrigerated and may appear cloudy.

4. Safety:

__X__ Gloves, lab coat, goggles or safety glasses and faceshield
__ Dust-Mist Respirator
__X__ Half-Face Respirator or/Positive Pressure Hood
__ Full-Face Respirator/Positive Pressure Hood
__X__ Tyvek Apron and Sleeves or Tyvek suit
__X__ Prepared in a Fume Hood
__X__ Explosive (avoid contact with metals or reducing agents)

5. Dosage solutions adjusted for % Purity or Correction Factor:

__ Yes __X__ No (Calculations based on 100%)
__ % Activity ___% Purity __ Correction Factor

6. Sampling requirements: Cited in protocol

7. Storage: Cited in protocol

ATTACHMENT 3

TEST SUBSTANCE PREPARATION PROCEDURE

NOTE: Prior to test substance preparation, accurately precalibrate the preparation vessels. Measure the required amount of the vehicle into a graduated cylinder, and pour the required amount of vehicle into the vessel. Carefully mark the meniscus on each vessel.

C. Stock Solution Preparation

1. Prepare a stock solution of test substance by accurately weighing the required amount of test substance to an appropriately labeled container. (see PREPARATION CALCULATIONS).
2. Add approximately 80% of vehicle to the container (see PREPARATION CALCULATIONS).
3. Q.S. to final volume with vehicle (see PREPARATION CALCULATIONS).
4. Add a stirbar to the container, place on a magnetic stirplate and agitate until test article has mixed.

D. Dosage Solution Preparation:

1. Measure the required amount of test substance stock solution that is needed for the appropriate dosage level into an appropriately sized, labeled container (see PREPARATION DILUTION CALCULATIONS).
2. Add approximately 80% of vehicle to the container (see PREPARATION DILUTION CALCULATIONS).
3. Q.S. to final volume with vehicle (see PREPARATION DILUTIONS CALCULATIONS).
4. Add a stirbar to the container, place on a magnetic stirplate and agitate until test article has mixed.
5. Cover and mix by inversion.
6. Repeat steps (1) through (5) for each concentration.

Written By: [signature]

Approved by: [signature] Date: 12-SEP-97

Modification: X No ___ Yes [see attached clarification form]

Initials/Date: MC 11-5-97

ATTACHMENT 4

BRAIN WEIGHT MEASUREMENTS AND NEUROHISTOLOGICAL EVALUATIONS

BRAIN WEIGHT MEASUREMENTS AND NEUROHISTOLOGICAL EVALUATIONS

Day 12 Postpartum:

F1 generation pups selected for evaluation at day 12 postpartum will be sacrificed by carbon dioxide asphyxiation.

The calvaria of each pup selected for neurohistological evaluation will be removed and the head immersed in neutral buffered 10% formalin. After at least a one week interval for fixation, the brain will be removed, weighed, and stored in neutral buffered 10% formalin for further processing. The brains of those pups selected for the neurohistological evaluation will be trimmed and embedded in paraffin, and sections will be stained with hematoxylin and eosin or processed by other methods when appropriate. Sections of the olfactory bulbs, cerebral cortex, hippocampus, basal ganglia, thalamus, hypothalamus, midbrain, brainstem and cerebellum will be examined for neuropathological alterations. A quantitative examination will also be conducted if alterations are observed; sections of each region with alterations will be selected from all dosage groups, coded and then analyzed in a randomized order with graded scores assigned to each section.

Adult F1 Generation Rats:

At the completion of behavioral testing, rats selected for regional brain weight measurements will be sacrificed by carbon dioxide asphyxiation. The brain will be removed, blotted, chilled and weighed. After the whole brain weight is recorded the brain will be placed on an ice-chilled plate and further dissected. The rhombencephalon will be separated by a transverse section and the cerebellum isolated from the medulla oblongata/pons. A transverse section will be made at the level of the optic chiasma, passing through the anterior commissure. The cortex and hippocampus will be peeled from the posterior section (diencephalon/mesencephalon) and added to the anterior section (telencephalon). The four sections (telencephalon, diencephalon/mesencephalon, medulla oblongata/pons and cerebellum) will then be weighed. A necropsy will be conducted, and tissues with gross lesions will be preserved in neutral buffered 10% formalin for possible evaluation.

Rats selected for neurohistological evaluation will be administered a combination of heparin and an anesthetic and perfused *in situ* with neutral buffered 10% formalin. A necropsy will be conducted, and tissues with gross lesions will be preserved in neutral buffered 10% formalin for possible evaluation. The calvaria will be removed and the head immersed in the fixative. After an interval of at least 24 hours, the brain will be removed from the skull and weighed.

The vertebral column will be dissected to expose the spinal cord, and the hindlimbs will be removed and dissected to expose the peripheral nerves; these tissues will be immersed in neutral buffered 10% formalin. After an appropriate interval (at least 24 hours) for additional fixation, the Gasserian ganglia, the cervical, thoracic and lumbar regions of the spinal cord (with dorsal root ganglia and nerve roots), and sections of the sciatic, tibial, fibular and sural nerves from the selected rats will be removed and, along with the brain, trimmed for histological processing. The central nervous system tissues, along with the ganglia and spinal nerve roots, will be embedded in paraffin, and the peripheral nerves will be embedded in plastic. Sections will be stained with hematoxylin and eosin, luxol fast blue/cresyl violet or toluidine blue, and the Bielschowsky's technique, or the sections will be processed by other methods when appropriate. Trimming, histological processing and examination will progress to the lower dosage groups, in turn, if alterations are observed. A quantitative evaluation will also be conducted if alterations are observed; sections of each region with alterations will be selected from all dosage groups, coded and then analyzed in a randomized order with graded scores assigned to each section.

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-6710 F: (215) 443-6587

PROTOCOL1613-002

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

Amendment 1 - September 17, 1997

---

1. Concentration Analyses (page 4 of the protocol):

Triplicate samples (2 mL each), rather than duplicate samples, will be taken on 22 SEP 97, 06 OCT 97 and 27 OCT 97. A set of samples will consist of the stock solution, dosage level and the carrier. Duplicate sets of these samples will be shipped to the Sponsor for analysis and the remaining set retained at the Testing Facility as backup samples.

Reason for Change:

This change was made at the request of the Sponsor.

17-Sep 97
Alan M. Hoberman, Ph.D., DABT Date
Director of Research

17-SEP-97
Raymond G. York, Ph.D., DABT Date
Associate Director of Research and
Study Director

9/18/97
Darol E. Dodd, Ph.D. Date
Director, Toxic Hazards Research
Study Monitor

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-8710 F: (215) 443-8587

PROTOCOL1613-002

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

Amendment 2 - October 17, 1997

---

1. Study Extension:

On day 5 postpartum, pups culled will be bled at sacrifice via the inferior vena cava. Whole blood samples, pooled by litters, will be collected into serum separator tubes and centrifuged. The resulting sera samples will be aliquotted into three separate vials (approximately 500 µL of sera per aliquot), immediately frozen on dry ice and maintained frozen at the Testing Facility until shipment for analysis to the Sponsor, at the address cited below:

Darol E. Dodd, Ph.D.
2856 G Street
Area B, Building 79, Room 154
Wright Patterson Air Force Base, Ohio 45433-7400
Telephone: (937) 255-5150 Ext. 3142
Telefax: (937) 258-2197

Thyroids of the culled pups will be fixed *in situ* by placing the pluck (i.e., undamaged trachea and larynx) in 10% neutral buffered formalin. Specimens will be sent to the Sponsor at the address cited above for possible analysis.

At study termination, two F1 generation rats per sex per litter will be bled at sacrifice via the inferior vena cava. Individual whole blood samples will be collected into serum separator tubes and centrifuged. The resulting sera samples will be aliquotted into three separate vials (approximately 500 µL of sera per aliquot), immediately frozen on dry ice and maintained frozen at the Testing Facility until shipment for analysis to the Sponsor at the address cited above.

Thyroids of F1 generation rats will be fixed *in situ* by placing the pluck (i.e., undamaged trachea and larynx) in 10% neutral buffered formalin. Specimens will be sent to the Sponsor at the address cited above for possible analysis.

Reason for Change:

This change was made at the request of the Sponsor to possibly utilize tissues that would normally be discarded.

for Alan M. Hoberman, Ph.D., DABT Date
Director of Research

Raymond G. York, Ph.D., DABT 17-OCT-97 Date
Associate Director of Research and
Study Director

Darol E. Dodd, Ph.D. 10/20/97 Date
Director, Toxic Hazards Research
Study Monitor

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-8710 F: (215) 443-8587

PROTOCOL1613-002

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

Amendment 3 - January 8, 1998

---

1. TEST SYSTEM - Number - F1 Generation (page 5 of the protocol):

   A maximum of 200 (100 male and 100 female) pups per dosage group will be selected for continued postnatal observation, rather than 160 (80 male and 80 female) pups.

   Reason for Change:

   This change corrects the protocol.

2. Study Extension (Amendment 2 to the protocol):

   At study termination, one F1 generation rat per sex per litter (Subset 2 only) will be bled at sacrifice via the inferior vena cava, rather than two F1 generation rats per sex per litter.

Reason for Change:

This change was made at the request of the Sponsor.

Alan M. Hoberman, Ph.D., DABT Date
Director of Research

Raymond G. York, Ph.D., DABT Date
Associate Director of Research and
Study Director

Dena C. Lebo, V.M.D. Date
Member, Animal Care Committee

Darol E. Dodd, Ph.D. Date
Director, Toxic Hazards Research
Study Monitor

Argus Research Laboratories, Inc.
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T (215) 443-8710 F (215) 443-8587

PROTOCOL1613-002

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

Amendment 4 - March 30, 1998

---

1. Concentration Analyses (page 1 of Amendment 1 to the protocol):

   Triplicate samples (2 mL each) were taken on 26 OCT 97, rather than 27 OCT 97, as additional test substance solutions were needed to complete dosage administration on 26 OCT 97. Since a test substance preparation occurred on 26 OCT 97, an additional preparation was not needed to complete dosage administration for the study.

   Reason for Change:

   This change corrects Amendment 1 to the protocol.

2. TEST SYSTEM - Number - F1 Generation (page 1 of Amendment 3):

   A maximum of 160 (80 male and 80 female) pups per dosage group will be selected for continued postnatal observation, rather than 200 (100 male and 100 female) pups.

Reason for Change:

This change corrects Amendment 3 to the protocol, as the original protocol was correct.

for Alan M. Hoberman, Ph.D., DABT Date
Director of Research

Raymond G. York, Ph.D., DABT Date
Associate Director of Research and
Study Director

Dena C. Lebo, V.M.D. Date
Member, Animal Care Committee

Darol E. Dodd, Ph.D. Date
Director, Toxic Hazards Research
Study Monitor

APPENDIX I

DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY

DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY

1. During all periods of the study, male and female Fo and F1 generation rats did not have their cages rotated to ensure equal exposure to light. This deviation did not adversely affect the outcome or interpretation of the study because the rats were moved to several different cages throughout the various phases of the study which ensured different light exposure.

2. On November 1, 1997 (day 8 of lactation), maternal observations were inadvertently not recorded for three Fo Generation female rats: 19621 (Group I), 19616 (Group III) and 19595 (Group IV) and on November 14, 1997 (day 8 of lactation), maternal observations were inadvertently not recorded for one Fo Generation Group III female rat (19587). These deviations did not adversely affect the outcome or interpretation of the study because there were a sufficient number of postdosage observations collected on this day to accurately evaluate this parameter.

3. On November 25 and 26, 1997 (DPs 32 and 33), the status of vaginal patency was not recorded for two F1 generation Group V female rats (1773 and 1788). On November 27, 1997 (DP 34), the status of vaginal patency was not recorded for one F1 generation Group V female rat. On December 7, 1997 (DP 45), the status of bilano preputial separation was inadvertently not recorded for one F1 generation Group IV male rat (1576). These deviations did not adversely affect the outcome or interpretation of the study because a sufficient amount of data was recorded for other rats to accurately evaluate sexual maturation.

4. Necropsy observations were inadvertently not recorded for three F1 generation rats: Group III male rat 1491, Group II male rat 1495, and Group II female 1795. These deviations did not adversely affect the outcome or interpretation of the study because a sufficient necropsy observations were recorded for other rats to accurately evaluate this parameter.

All deviations are available in the raw data.

30-JUN-98

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
and Study Director

APPENDIX J

ANALYTICAL CHEMISTRY, AMMONIUM PERCHLORATE CONCENTRATION AND STABILITY VERIFICATION REPORT

STABILITY STUDY OF AMMONIUM PERCHLORATE AND CONCENTRATION VERIFICATION ANALYSIS OF AMMONIUM PERCHCLORATE DOSING SOLUTIONS FOR ARGUS RESEARCH LABORATORIES, INC.

SUBMITTED TO:

RAYMOND G. YORK, Ph.D., D.A.B.T.
Argus Research Laboratories, Inc.,
905 Sheehy Drive
Horsham, PA 19044

SUBMITTED BY:

Latha Narayanan Latha Narayanan 2 Jun

MANTECH GEO-CENTERS JOINT VENTURE
PO BOX 31009
DAYTON OH 45437-0009

David T. Tsui, Capt. USAF 2 Jun 98
David Mattie, Ph.D. David R. Mattie 2 June 9

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TABLE OF CONTENTS

	Page
LIST OF FIGURES AND TABLES	iv
ABSTRACT	v
LIST OF ABBREVIATIONS	vi
SECTION I: INTRODUCTION	1
SECTION II: METHODS AND MATERIALS	2
Compliance Statement	2
Test Materials	2
Reagents	2
Calibration Standards	2
Analytical Method	3
Perchlorate Stability Analysis	3
Concentration Verification	4
SECTION III: RESULTS	5
Methods Development and Validation	5
Perchlorate Stability Analysis	9
Concentration Verification	10
SECTION IV: DISCUSSION AND CONCLUSIONS	11
SECTION V: REFERENCES	12
SECTION VI: QUALITY ASSURANCE	15
APPENDIX A: STABILITY DATA	A-1
APPENDIX B: CONCENTRATION VERIFICATION ANALYSIS FOR ARGUS RESEARCH LABORATORIES, INC.,	B-1

LIST OF FIGURES AND TABLES

	Title	Page
Figure 3.1	An ion chromatogram of 5 µg/mL nitrate and perchlorate.....	5
Figure 3.2	A typical ion chromatogram of 0.005 µg/mL perchlorate standard.....	7
Figure 3.3	A typical ion chromatogram of 0.005 µg/mL nitrate standard.....	7
Figure 3.4	Typical calibration curves for perchlorate and nitrate	8

	Title	Page
Table 3.1	MDL data for perchlorate and nitrate analysis by ion chromatography ..	6
Table 3.2	Intra- and Inter-day variability for perchlorate and nitrate	8
Table 3.3	Incident light intensity measurements	9

ABSTRACT

Stability and concentration verification of the ammonium perchlorate dosing solutions used in the on-going Neurobehavioral Development study conducted by Argus Research Laboratories, Inc. (SS No. 7757A210-1096-25F) was performed. A sensitive and selective ion chromatography (IC) method for the analysis of perchlorate (ClO_4^-) and nitrate (NO_3^-), a possible interference anion, was developed to support these studies. The methods development and validation data more than sufficiently demonstrated that the IC method is capable of detecting both perchlorate and nitrate at 0.005 µg/mL (5 ppb) in reagent water with excellent accuracy and precision. Ion chromatographic analysis of the stability solutions showed that under controlled room temperature, relative humidity and light intensity, ammonium perchlorate is stable in reagent water within 109 days. The concentrations of the ammonium perchlorate dosing solutions (0.05 to 200 µg/mL) were verified by IC analysis to be within an acceptable range of +/- 10 %.

LIST OF ABBREVIATIONS

NH_4^+	ammonium cation
NH_4ClO_4	ammonium perchlorate
Avg.	average
cm	centimeter
CAS NO.	chemical abstract services registry number
CV or % CV	coefficient of variation or percent coefficient of variation
Conc.	concentration
α	confidence factor
F crit	critical value of the *F* ratio
^oC	degrees centigrade
^oF	degrees Fahrenheit
df	degrees of freedom
fc	footcandle
g	gram
IC	ion chromatography
L	liter
MS	mean square
MDL	method detection limit
µg	microgram
µl	microliter
µM	micromolar or micromole/liter
µmol	micromole
mg	milligram
mL	milliliter
mm	millimeter
MΩ	milli-ohm
min	minute

M	molarity
mol	mole
ng	nanogram
NO_3^-	nitrate anion
ND	non-detect
ANOVA	one-way analysis of variance
oz	ounce
ppb	parts per billion
ppm	parts per million
ClO_4^-	perchlorate anion
PQL	practical quantitation limit
p-value	probability value
QA	quality assurance
QC	quality control
n	sample size
Std. Dev.	standard deviation
SS	sum of squares
F crit	the F *value*
UV	ultraviolet

STABILITY OF AMMONIUM PERCHLORATE IN AQUEOUS SOLUTION

SECTION I: INTRODUCTION

Ammonium perchlorate (NH_4ClO_4, CAS NO. 7790-98-9) is a white, crystalline salt that readily dissociates in water. The solubility of NH_4ClO_4 in water at 20°C is 107.44 mg/mL. NH_4ClO_4 is a powerful oxidizer (Class 1.1, Department of Transportation) and it has been used extensively by the Department of Defense in solid propellant mixtures for rockets, missile engines and munitions. [1] Perchlorate is not regulated in the U.S. under the federal Safe Drinking Water Act and it was once used pharmaceutically to treat hyperthyroidism[2-4] (Grave's disease). However, since the finding of greater than 0.005 μg/mL (5 ppb) of perchlorate in several western U.S. municipalities, DoD has shown a renewed interest in perchlorate and initiated several research studies on perchlorate. [5-10]

We were tasked to provide a stability study and a concentration verification of the ammonium perchlorate dosing solutions used in the on-going Neurobehavioral Development study conducted by Argus Research Laboratories, Inc. A sensitive ion chromatography (IC) method for the analysis of perchlorate (ClO_4^-) and nitrate (NO_3^-), a possible interference anion, has been developed to support these studies.

SECTION II: METHODS AND MATERIALS

Compliance Statement

The study entitled "Stability and Concentration Verification of Ammonium Perchlorate Dosing Solution" was conducted to be in compliance with the Environmental Protection Agency's Good Laboratory Practices Standards, 40 CFR 792.

Test Materials

Primary ammonium perchlorate (lot # 03907LF) and ammonium nitrate (lot # 09016AR) standards were purchased from Aldrich Chemical Company (St. Louis, MO). Secondary ammonium perchlorate (lot # K15G11) and ammonium nitrate (lot # 22141) check standards were purchased from Alpha Chemical Company (Ward Hill, MA). Test materials were used without further purification.

Reagents

Sodium hydroxide (45 mM) was prepared by dissolving 1.8 g of NaOH in 1 L 55:45 reagent water and HPLC grade methanol. Sodium hydroxide was purchased from Aldrich Chemical Company (Milwaukee, WI). HPLC grade methanol was purchased from CORCO Chemical Company (Fairless Hills, PA). Reagent water (18.0 to 18.3 MΩ-cm) was collected from a Barnstead Model D4751 Ultra-Pure water system.

Calibration Standards

Ammonium perchlorate and ammonium nitrate stock standard solutions at 50 mg/mL were prepared gravimetrically (Metler Model PE-360 analytical balance, ± 0.0001 g) from pure neat standards. 1000 µg/L working standard solutions were prepared from the individual stock standard solutions. From the working standard solutions, calibration standards at 0.05, 0.10, 0.50, 1.00, 2.00, 5.00, 10.0, 20.0, 50.0, 100 and 200 µg/mL were prepared by serial dilution.

Analytical Method

Ion chromatography was performed on a Dionex DX-300 High Performance Liquid Chromatograph with a Dionex CDM-3 conductivity detector. An ASRS-II anion suppresser, operating in auto suppression-external water mode, was used. The system included a Dionex AI 350 autosampler. All data were collected using Dionex AI-450 software. Dionex IonPak AS-11 ion chromatography column (4.0 x 250 mm), Dionex ATC-1 anion trap column and Dionex AG-11 guard column (4.0 x 50 mm) were used to perform anion analysis. The mobile phase, consisting of 45 Mm NaOH in 55:45 water:methanol, was set at 1 mL/min flow rate. The injection loop volume was 50 µL, and the regenerant flow rate was 10 mL/min. Analysis was performed at 30°C.

Perchlorate Stability Analysis

Stock perchlorate solution (50 mg/mL) was prepared gravimetrically by adding 25 g of ammonium perchlorate to a 500 mL volumetric flask and bringing to volume with laboratory reagent water. From the 50 mg/mL stock standard solution, 4 L perchlorate stability solutions at 0.05 and 200 µg/mL were prepared in a polyethylene carboy (Consolidated Plastics Co., Twinsberg, OH., Cat. # 22788LH) by serial dilution. The concentrations of the 0.05 and 200 µg/mL stability solutions were verified by ion chromatography. For each perchlorate solution, 200 mL aliquots were transferred to four 16-oz. clear French square bottles (Ancare Corp., Bellmore, NY, Cat. # FS-101) and three 300 mL amber French square bottles (All-Pack, Bridgeville, PA, Cat #7934). Each bottle was capped with a double-bearing metal spout, sealed with a rubber septum, and transferred to a rodent cage. The concentration of the stability solutions was monitored by ion chromatography on days 7, 15, 36, 50, 61, and 109 from the date of preparation.

To simulate perchlorate exposure to light during a normal animal testing study, a rack housing 14 rodent cages complete with bedding and feeder, was centered between light sources in an animal room. Water bottles containing stability solutions were placed on the cages. The temperature and relative humidity of the animal room was maintained at 70 to 72°C and 60 to 65% relative humidity. The light/dark cycle was set at 12 hour intervals. The animal cages were rotated daily. On days 10, 27, 41, and 54, the light intensity of the animal room was measured

with a Litemate III model 504 light meter (Photo Research Division, Kollmorgen Instrument Corporation, Chatsworth, CA).

Concentration Verification

Dose formulations were prepared by Argus Research Laboratories, Inc. Triplicate samples (2 mL each) were taken from the prepared formulations on the day of preparation. One of each triplicate was retained at the testing laboratories as a backup sample. Two samples were shipped in ice to AFRL/HEST by overnight delivery. To avoid cross contamination, the samples were immediately stored in a dedicated 4 to 6°c refrigerator upon receipt. Within 36 hours of arrival, the samples were analyzed by ion chromatography for nitrate and perchlorate.

SECTION III: RESULTS

Method Development and Validation

Chromatographic conditions were optimized and described in Section II. Baseline noise was kept minimal. The system was equilibrated to produce a background conductance less than 1.9 Ms. A system blank, deionized water, established the baseline and confirmed the lack of contamination in the system. A typical ion chromatogram of 5 µg/mL nitrate and perchlorate standards is shown in Figure 3.1. The order of elution was established by injecting each standard separately, at 10 µg/mL. The retention times for nitrate and perchlorate were around 2.2 and 9.4 min, respectively. Both peaks were well-resolved. The nitrate peak was relatively sharper than that of the perchlorate peak. The peak-width at half height for nitrate was 0.3 minutes and for perchlorate, 0.5-0.6 minutes.

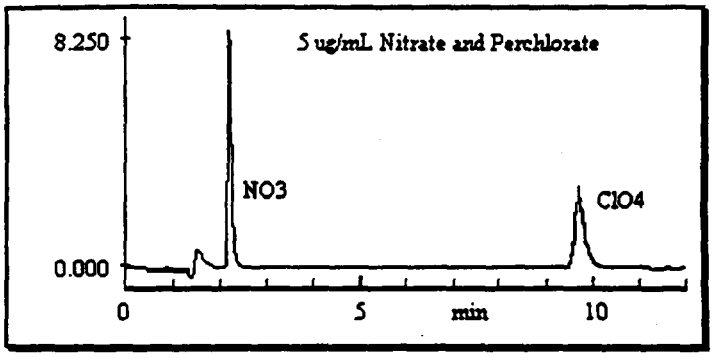

Figure 3.1. An ion chromatogram of 5 µg/mL nitrate and perchlorate.

The perchlorate peak could be sharpened by using straight 100 Mm sodium hydroxide in reagent grade water as mobile phase rather than using 45 Mm sodium hydroxide in 45:55 reagent grade water: HPLC grade methanol. However, with a straight 100 mM sodium hydroxide mobile phase, the nitrate peak is un-retained and it runs into the water/injection peak.

The method detection limit data for nitrate and perchlorate are shown in Table 3.1. Eight replicates of 0.05 µg/mL standards containing both nitrate and perchlorate were prepared. The

0.05 µg/mL replicates were analyzed over 72 hours. Per guidelines and procedures set forth in Code of Federal Regulations 40, Chapter 1, Pt. 136, Appendix B, [12] the calculated method detection limit (MDL) for both nitrate and perchlorate is 0.005 µg/mL (5 ppb). The appropriate student t-test value for eight samples (n= 8, degree of freedom = 7) at the 99% confidence limit is 2.998. The relative percent recovery for nitrate and perchlorate were 101 and 100%, respectively. For both nitrate and perchlorate, the signal to noise ratio at 0.005 µg/mL (5 ppb) is greater than 3, and the chromatograms of perchlorate and nitrate at the detection limit are shown in Figures 3.2 and 3.3. Both chromatograms show that the perchlorate and nitrate peaks are well resolved even at the detection limit. The calculated on-column limit is 0.25 ng (0.005 µg/mL * 50 µL = 2.5×10^{-4} µg) and the practical quantitation limit at 10 times the MDL is 0.05 µg/mL. The lower and upper confidence limits, set at 95% confidence limit, are 0.0036 and 0.011 µg/mL.

Table 3.1. MDL data for perchlorate and nitrate analysis by ion chromatography.

Perchlorate			**Nitrate**		
Data Points	**Area Count**	**Conc. (µg/mL)**	**Data Points**	**Area Count**	**Conc. (µg/mL)**
1	212034	0.050	1	480855	0.048
2	211140	0.050	2	517693	0.051
3	221194	0.052	3	521485	0.051
4	227660	0.054	4	517938	0.051
5	210420	0.050	5	528041	0.052
6	213280	0.050	6	470344	0.048
7	209608	0.050	7	499425	0.049
8	206890	0.049	8	505112	0.050
Avg. Conc. (µg/mL)		0.051	Avg. Conc. (µg/mL)		0.050
Expected Conc. (µg/mL)		0.050	Expected Conc. (µg/mL)		0.050
% Recovery		101%	% Recovery		100%
Standard Deviation		0.002	Standard Deviation		0.002
MDL (µg/mL)		0.005	MDL (µg/mL)		0.005
PQL (10Xmdl)		0.05	PQL (10Xmdl)		0.05

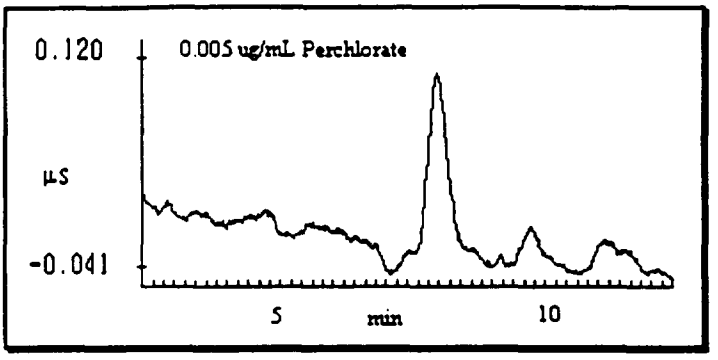

Figure 3.2. A typical ion chromatogram of 0.005 µg/mL perchlorate standard.

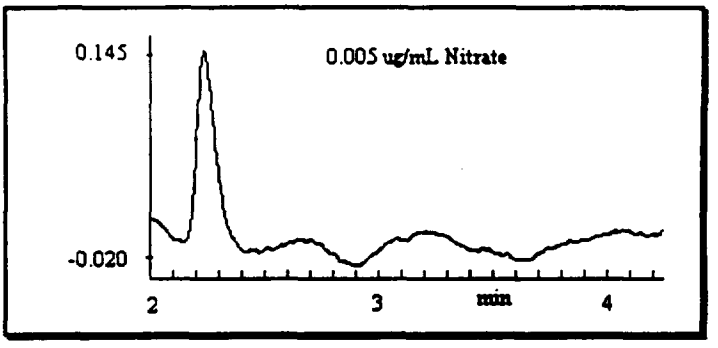

Figure 3.3. A typical ion chromatogram of 0.005 µg/mL nitrate standard.

Calibration curves for nitrate and perchlorate were generated by plotting the concentrations of each standard against the peak area count obtained. The calibration curves are shown in Figure 3.4. In each case, the calibration curves were linear through the calibration range, from MDL to 40000 x MDL, over 5 orders of magnitude. For perchlorate, the calibration line was typically described by the equation Y = 5939330.55 X and nitrate, Y = 10247858.25 X. The correlation coefficient values were 0.9999 for both perchlorate and nitrate. The calibration curves were verified by nitrate and perchlorate standards purchased from a second source.

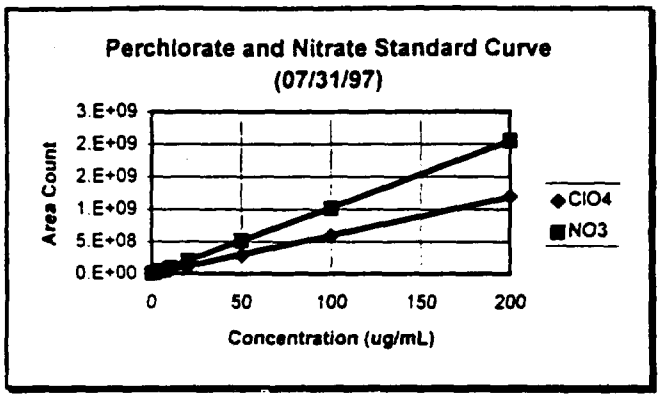

Figure 3.4. Typical calibration curves for perchlorate and nitrate.

The intra- and inter-day method variabilities for perchlorate and nitrate were measured and expressed as percent coefficient of variation (Table3.2). The average intra- and inter-day variability was than 10% coefficient of variation for all concentration levels and did not show concentration dependence.

Table 3.2. Intra- and Inter-day variabilities for perchlorate and nitrate.

	Perchlorate		Nitrate	
Concentrations (μg /mL)	% Intra-day Variability	% Inter-day Variability	% Intra-day Variability	% Inter-day Variability
0.05	0.42	7.99	0.00	5.38
0.10	2.83	3.73	2.22	8.86
0.50	8.14	2.86	1.85	0.69
1.00	8.74	4.98	1.06	1.19
2.00	0.81	9.81	2.12	2.32
5.00	1.86	4.34	1.82	5.99
10.0	0.13	3.02	0.58	4.26
20.0	1.87	0.93	0.95	0.51
50.0	1.72	0.52	0.10	1.99
100	1.54	0.03	0.48	0.43
200	0.84	1.60	0.09	0.36

Perchlorate Stability Study

The perchlorate stability study was designed to mimic conditions during a normal animal testing study. Exposure of the perchlorate stability solutions to light, temperature and humidity was carefully controlled and monitored. The temperature and relative humidity of the animal room were between 70 to 72°f and 60 to 65% relative humidity. The light/dark cycle was set at 12 hour intervals, except for day 11 of the study. On day 11 of the study, the perchlorate stability solutions were exposed to 10 hours of light and 14 hours of dark due to a power outage. The intensity of incident light on the top left, top right, center, bottom left and bottom right of the set of animal cages was measured on days 10, 27, 41, 54, and 102. The results are shown in Table 3.3. As expected, stability solutions located on the top of the animal cages, closest to the light source, were consistently exposed to more light than those on the bottom of the animal cages. For a given location on the set of animal cages, variability in light intensity with respect to time, as measured by percent coefficient of variation (% CV), was less than 6%, indicating little or no change in light intensity. Daily rotation of the animal cages ensured that throughout the entire study, stability solutions were exposed to equal amounts of light. Respectively, the daily mean light intensity for days 10, 27, 41, 54 and 102 were 34.8, 35.6, 35.7, 32.9 and 34.7 fc. The average, standard deviation and %CV for the daily mean light intensity were 34.7 fc, 1.10 fc and 3.7%CV, respectively.

Table 3.3. Incident light intensity measurements.

Day	Top Left	Top Right	Middle	Bottom Left	Bottom Right
	(fc)	(fc)	(fc)	(fc)	(fc)
10	37.5	38.2	35.2	31.0	32.0
27	37.3	37.7	39.0	30.0	33.8
41	38.7	38.5	37.3	30.0	34.1
54	37.5	35.7	33.7	28.4	29.4
Average	37.8	37.5	36.3	29.9	32.3
Std Dev	0.5	1.0	1.8	0.8	1.7
%CV	1.6%	2.6%	4.9%	2.8%	5.4%

The stability data of 0.05 and 200 µg/mL stability solutions in clear and amber bottles are listed in Appendix A. Because the stability solutions were pooled on day 109 of the study, only

two data points are shown. Concentrations of the stability solutions were measured twice by IC as described in Section II. Each ion chromatogram was examined in detail and the formation of nitrate was not observed in any of the stability solutions.

ANOVA (one way analysis of variance) analysis, shown on the bottom of each table, was employed to examine the differences of within group (intra-day) and between groups (inter-day) concentration variations. As shown in Appendix A, three categories of sums of squares (*SS*) are presented in the ANOVA summary report, along with the degrees of freedom (*df*) for the between and within variance. The mean square (*MS*) and the test for homogeneity of variance (*F*-ratio) were calculated from *SS* and *df* by the following equations: $MS = SS/df$ and *F*-ratio = between *MS*/ within *MS*. The *F critical* values at 0.05 rejection level (α) were obtained from Reference 13. As compared to the appropriate F-critical values, the small F-values (test of homogeneity of variance) for all four sets of data indicated that ammonium perchlorate in aqueous solution at 0.05 and 200 µg/mL is stable for 109 day. At a given level, no trend was observed in the perchlorate concentration, as some might expect an increasing trend due to evaporation. Furthermore, no significant perchlorate concentration difference was noted between the solutions stored in amber and clear water bottles at a given concentration. Since the amber bottles are less impermeable to light and UV radiation, the results indicated that average 12-hour daily exposure to light does not lead to the degradation of perchlorate in reagent water.

Concentration Verification

The results of concentration verification analysis for Argus Research Laboratories is presented in Appendix B. Date of formulation preparation and analysis date are clearly denoted. If possible, duplicate sample analysis was performed for every set of samples. If performed, duplicates were analyzed at least once every ten samples. As shown in Appendix B, the very low percent difference between the concentration of duplicate samples ensures the method is reproducible. Spike recovery analysis at either 0.05 or 200 µg/mL was performed for every set of samples. The percent spike recovery was consistently between +/-10%, indicating acceptable method accuracy. The difference between the nominal and measured concentration was within +90 to 110%. No nitrate was found in any of the formulations.

SECTION IV: DISCUSSION AND CONCLUSIONS

A sensitive IC method for the analysis of perchlorate and nitrate has been developed and optimized to support the stability study of ammonium perchlorate in water. The method detection limit for perchlorate and nitrate is 0.005 µg /mL (5 ppb). The sensitivity of the method is comparable to existing IC [14-17] and capillary electrophoresis [18, 19] methods. The optimized IC method is far more sensitive and selective than gravimetry [20-23], UV-spectrophotometry [24-38], ion selective electrode [39-42] and flame atomic absorption spectroscopy [43] methods. Methods such as those of California Department of Health Services (CDHS) are not as robust as this IC method; the CDHS can not detect nitrate. The method is linear from MDL to 4000 x MDL and is demonstrated to have acceptable precision and accuracy.

Since perchlorate is a strong oxidizing agent, it was thought that the stability of perchlorate may be limited. [1] A stability study of ammonium perchlorate in reagent water was conducted at constant temperature and humidity. Ammonium perchlorate in reagent water was found to be stable in the presence of light at two concentrations (0.05 and 200 µg/mL). Detailed examination of the ion chromatograms did not show the formation of nitrate in the stability solution for up to 109 days of storage. Due to the very low MDL, we believe that any degradation of ammonium perchlorate would have been detected within this time period. Stability solutions for a given concentration level and bottle type were pooled and analyzed at day 145. The results of the pooled stability solutions indicated that perchlorate appears to be still stable.

Concentration verification of dosing solutions was performed for samples received from Argus Research Laboratories, Inc. The concentration of the dosing solutions was determined by IC. Measured concentrations agreed well with the nominal concentrations.

IC was used to aggressively monitor the possible presence of nitrate in the dosing solution because nitrate is an interfering anion commonly found in rural ground water supply. At the method detection limit of 0.005 µg/mL, no nitrate was found in the dosing solutions.

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SECTION VI: QUALITY ASSURANCE

The study, "Stability Study of Ammonium Perchlorate and Concentration Verification Analysis of Ammonium Perchlorate Dosing Solution for Argus Research Laboratories," was conducted to be in compliance with the Environmental Protection Agency's Good Laboratory Practices Standards, 40 CFR 792.

The data, notebook, and Investigators Report for this study were inspected by the Quality Assurance Unit. Data for light intensity measurement were not included in this review. These data were collected by the auditor in his capacity as Unit Safety Representative for AFRL/HEST, Toxicology Branch. Results of the inspections were reported directly to the Investigator.

DATE OF INSPECTION	ITEM INSPECTED
March 19, 1998	Data, Report, Notebook

The Quality Assurance Unit has determined through review process that this report accurately describes those methods and standard operating procedures required by the protocol and that the reported results accurately reflect the raw data obtained during the course of the study. No discrepancies were found that would alter the interpretations presented in this Final Report.

M G Schneider Jr

M. G. Schneider
QA Coordinator

Date March 31, 1998

APENDIX A. STABILITY DATA

0.05 µg/mL PERCHLORATE SOLUTION IN CLEAR BOTTLE						
	Day 7	Day15	Day36	Day50	Day61	Day109
Bottle A	0.048	0.050	0.051	0.050	0.050	0.050
Bottle B	0.050	0.051	0.048	0.049	0.051	
Bottle C	0.051	0.050	0.048	0.051	0.051	0.050
Bottle D	0.052	0.049	0.050	0.050	0.049	
ANOVA: Single Factor, α = 0.05						
SUMMARY						
Groups	*Count*	*Sum*	*Average*	*Variance*		
Day 7	4	0.201	0.050	2.9E-06		
Day15	4	0.200	0.050	6.7E-07		
Day36	4	0.196	0.049	1.9E-06		
Day50	4	0.201	0.050	5.2E-07		
Day61	4	0.201	0.050	9.2E-07		
Day109	2	0.100	0.050	0		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	4.51E-06	5	9.02E-07	0.69858	0.63236	2.85241
Within Groups	2.07E-05	16	1.29E-06			
Total	2.52E-05	21				

200 µg/mL PERCHLORATE SOLUTION IN CLEAR BOTTLE						
	Day 7	Day15	Day36	Day50	Day61	Day109
Bottle A	198.44	200.00	206.66	196.67	201.39	200.67
Bottle B	199.27	199.57	200.89	200.45	202.81	
Bottle C	204.55	200.16	201.89	199.59	196.92	199.58
Bottle D	207.95	199.90	199.24	202.36	203.11	
ANOVA: Single Factor, $\alpha = 0.05$						
SUMMARY						
Groups	*Count*	*Sum*	*Average*	*Variance*		
Day 7	4	810.2	202.553	20.2702		
Day15	4	799.6	199.909	0.0607		
Day36	4	808.7	202.169	10.1468		
Day50	4	799.1	199.768	5.5960		
Day61	4	804.2	201.057	8.1864		
Day109	2	400.2	200.123	0.5962		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	27.493	5	5.49861	0.65962	0.65905	2.85241
Within Groups	133.376	16	8.33601			
Total	160.869	21				

0.05 µg/mL PERCHLORATE SOLUTION IN AMBER BOTTLE						
	Day 7	Day15	Day36	Day50	Day61	Day109
	0.055	0.050	0.049	0.050	0.050	0.052
	0.048	0.049	0.050	0.049	0.049	0.051
	0.052	0.051	0.048	0.049	0.050	
ANOVA: Single Factor, α = 0.05						
SUMMARY						
Groups	*Count*	*Sum*	*Average*	*Variance*		
Day 7	3	0.155	0.052	1.2E-05		
Day15	3	0.155	0.050	1.0E-06		
Day36	3	0.147	0.049	1.1E-06		
Day50	3	0.148	0.049	7.9E-07		
Day61	3	0.149	0.050	4.4E-07		
Day109	2	0.103	0.052	5.0E-07		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	1.83E-05	5	3.66E-06	1.26043	0.34664	3.20388
Within Groups	3.19E-05	11	2.90E-06			
Total	5.02E-05	16				

200 µg/mL PERCHLORATE SOLUTION IN AMBER BOTTLE						
	Day 7	Day15	Day36	Day50	Day61	Day109
	202.41	200.00	207.04	202.00	199.42	200.67
	197.39	203.19	200.89	200.25	200.78	199.58
	199.10	200.31	200.41	199.50	197.66	
ANOVA: Single Factor, $\alpha = 0.05$						
SUMMARY						
Groups	*Count*	*Sum*	*Average*	*Variance*		
Day 7	3	598.9	199.633	6.5134		
Day15	3	603.5	201.165	3.0923		
Day36	3	608.3	202.779	13.7003		
Day50	3	601.8	200.583	1.6443		
Day61	3	597.9	199.284	2.4465		
Day109	2	400.2	200.123	0.5962		
ANOVA						
Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	23.651	5	4.73016	0.93937	0.49285	3.20388
Within Groups	55.389	11	5.03542			
Total	79.0404	16				

APPENDIX B. CONCENTRATION VERIFICATION ANALYSIS FOR ARGUS RESEARCH LABORATORIES, INC.

Sponsor's Study No. 7757A210-1096-25F				
SLI Vehicle	**R.O. D.I. Water**			
Protocol No.	**1613-002**			
Prep Date	**9/22/97**			
Test Article No.	**S97.001.3455**			
Analysis Date	**9/23/97**			
		Measured		
	Nominal	Perchlorate	Perchlorate	Percent
	Concentrations	Concentrations	MDL	Difference
Identifiers	(µg/mL)	(µg /mL)	(µg /mL)	(%)
1613-002 A	0.000	0	0.005	0.00%
1613-002 B	0.800	0.778	0.005	2.75%
1613-002 C	7.600	7.504	0.005	1.26%
1613-002 D	22.800	21.752	0.005	4.60%
1613-002 E	75.800	76.864	0.005	1.40%
1613-002 F	50000.000	49996.000	0.005	0.01%
QA/QC Data				
	Nominal	Measured		
	Concentrations	Perchlorate		
	(µg /mL)	Concentrations		
		(µg /mL)		
Control #1	20	20.171		
Control #2	20	19.3		
Average	20	19.7355		
% Difference		4.32%		
% Recovery		**98.68%**		
1613-002B	0.800	0.778		
1613-002B Duplicate	0.800	0.776		
% Difference		**0.26%**		
1613-002B	0.8	0.778		
1613-002B, 20ppm Spike	20.8	20.752		
% Spike Recovery		**96.25%**		

Sponsor's Study No. 7757A210-1096-25F				
SLI Vehicle	**R.O. D.I. Water**			
Protocol No.	**1613-002**			
Prep Date	**10/6/97**			
Test Article No.	**S97.001.3455**			
Analysis Date	**10/6/97**			
		Measured		
	Nominal	Perchlorate	Perchlorate	Percent
	Concentrations	Concentrations	MDL	Difference
Identifiers	(µg /mL)	(µg /mL)	(µg /mL)	(%)
1613-002 A	0.000	0	0.005	0.00%
1613-002 B	0.800	0.812	0.005	1.50%
1613-002 C	7.600	7.920	0.005	4.21%
1613-002 D	22.800	21.547	0.005	5.50%
1613-002 E	75.800	74.463	0.005	1.76%
QA/QC Data		Measured		
	Nominal	Perchlorate		
	Concentrations	Concentrations		
	(µg /mL)	(µg /mL)		
Control #1	20	19.856		
Control #2	20	19.856		
Average	20	19.856		
% Difference		0.00%		
% Recovery		**99.28%**		
1613-002B	0.800	0.812		
1613-002B Duplicate	0.800	0.813		
% Difference		**0.12%**		
1613-002B	0.8	0.812		
1613-002B, 20ppm Spike	20.8	21.12		
% Spike Recovery		**96.16%**		

Sponsor's Study No. 7757A210-1096-25F				
SLI Vehicle	**R.O. D.I. Water**			
Protocol No.	**1613-002**			
Prep Date	**10/27/97**			
Test Article No.	**S97.001.3455**			
Analysis Date	**10/28/97**			
		Measured		
	Nominal	Perchlorate	Perchlorate	Percent
	Concentrations	Concentrations	MDL	Difference
Identifiers	(µg /mL)	(µg /mL)	(µg /mL)	(%)
1613-002 A	0.000	0	0.005	0.00%
1613-002 B	0.580	0.575	0.005	0.86%
1613-002 C	5.800	5.758	0.005	0.72%
1613-002 D	17.400	17.394	0.005	0.03%
1613-002 M	58.000	59.026	0.005	1.77%
1613-002 E	50000.000	50395.000	0.005	0.79%
QA/QC Data				
	Nominal	Measured		
	Concentrations	Perchlorate		
	(µg /mL)	Concentrations		
		(µg /mL)		
Control #1	20	20.047		
Control #2	20	20.047		
Average	20	20.047		
% Difference		0.00%		
% Recovery		**100.24%**		

APPENDIX K

ENVIRONMENTAL AND HUSBANDRY REPORTS

ARGUS

Temperature and Relative Humidity Report
Location: Room 01

Protocol Number: 1613-002

Range of Dates: 16-Sep-1997 13:10 to 29-Sep-1997 15:00

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: RAT				
Total Number of Days:	14		14	
Total Number of Hours:	313.51		313.51	
Total Number of Data Points:	312		312	
Mean (± SD):	68.2	(± 1.2)	58.1	(± 6.4)
Maximum:	71.1		75.2	
Median:	68.6		57.9	
Minimum:	64.5		41.7	
Number of Points in Range (%):	312	(100.0)	301	(96.5)
Number of Points High (%):	0	(0.0)	11	(3.5)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 29-Apr-1998 at 13:53

COMMENTS:

REVIEWED BY: John J. Barnett J **DATE:** 4/29/98

ARGUS

Temperature and Relative Humidity Report
Location: Room 01

Protocol Number: 1613-002

Range of Dates: 30-Sep-1997 13:00 to 19-Dec-1997 16:15

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: RAT				
Total Number of Days:	81		81	
Total Number of Hours:	1923.01		1923.01	
Total Number of Data Points:	1898		1898	
Mean (± SD):	68.8	(± 0.8)	50.2	(± 7.7)
Maximum:	71.2		75.0	
Median:	68.9		49.7	
Minimum:	64.7		23.4	
Number of Points in Range (%):	1898	(100.0)	1827	(96.3)
Number of Points High (%):	0	(0.0)	26	(1.4)
Number of Points Low (%):	0	(0.0)	45	(2.4)

Report Generated: 29-Apr-1998 at 14:00

COMMENTS:

REVIEWED BY: John T. Barnett Jr **DATE:** 4/29/98

ARGUS

Temperature and Relative Humidity Report
Location: Room 22

Protocol Number: 1613-002

Range of Dates: 29-Sep-1997 15:30 to 03-Oct-1997 11:00

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: rat				
Total Number of Days:	5		5	
Total Number of Hours:	91.25		91.25	
Total Number of Data Points:	92		92	
Mean (± SD):	72.0	(± 0.4)	52.6	(± 1.7)
Maximum:	73.5		55.7	
Median:	72.1		52.7	
Minimum:	71.0		48.1	
Number of Points in Range (%):	92	(100.0)	92	(100.0)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 05-Feb-1998 at 13:17

COMMENTS: _____

REVIEWED BY: M. Martin **DATE:** 4 2-5-98
(4) PM 2-5-98

ARGUS

Temperature and Relative Humidity Report
Location: Room 03

Protocol Number: 1613-002

Range of Dates: 12-Nov-1997 14:00 to 19-Dec-1997 16:15

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: rat				
Total Number of Days:	38		38	
Total Number of Hours:	890.01		890.01	
Total Number of Data Points:	875		875	
Mean (± SD):	71.1	(± 2.0)	46.4	(± 2.0)
Maximum:	74.7		54.6	
Median:	71.7		46.4	
Minimum:	65.7		38.2	
Number of Points in Range (%):	875	(100.0)	875	(100.0)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 05-Feb-1998 at 13:34

COMMENTS: _____

REVIEWED BY: M. Martin **DATE:** 2.5.98

(A) KSB 2.5.98

ARGUS

Temperature and Relative Humidity Report
Location: Room 06

Protocol Number: 1613-002

Range of Dates: 19-Dec-1997 16:15 to 22-Jan-1998 14:20

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: rat				
Total Number of Days:	35		35	
Total Number of Hours:	814.0		814.0	
Total Number of Data Points:	815		815	
Mean (± SD):	70.8	(± 0.4)	52.2	(± 2.2)
Maximum:	71.8		61.1	
Median:	70.8		52.1	
Minimum:	69.6		46.5	
Number of Points in Range (%):	815	(100.0)	815	(100.0)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 05-Feb-1998 at 13:42

COMMENTS: _____

REVIEWED BY: M. Martin **DATE:** 2.5.98 (2.5.98)

ARGUS

Temperature and Relative Humidity Report
Location: Room 07

Protocol Number: 1613-002

Range of Dates: 19-Dec-1997 16:15 to 22-Jan-1998 14:20

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: rat				
Total Number of Days:	35		35	
Total Number of Hours:	814.0		814.0	
Total Number of Data Points:	815		815	
Mean (± SD):	66.7	(± 0.8)	55.0	(± 1.9)
Maximum:	69.6		60.1	
Median:	66.4		55.2	
Minimum:	65.3		49.4	
Number of Points in Range (%):	815	(100.0)	815	(100.0)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 05-Feb-1998 at 13:48

COMMENTS: _____

REVIEWED BY: M. Martin **DATE:** 2.5.98
2.5.98

ARGUS

Temperature and Relative Humidity Report
Location: Room 11

Protocol Number: 1613-002

Range of Dates: 22-Jan-1998 14:20 to 23-Jan-1998 08:30

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: rat				
Total Number of Days:	2		2	
Total Number of Hours:	17.78		17.78	
Total Number of Data Points:	19		19	
Mean (± SD):	72.9	(± 0.3)	49.2	(± 1.9)
Maximum:	73.3		52.7	
Median:	72.9		48.2	
Minimum:	72.3		46.5	
Number of Points in Range (%):	19	(100.0)	19	(100.0)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 05-Feb-1998 at 13:54

COMMENTS: _____

REVIEWED BY: M. Martin **DATE:** 2.5.98 BKSD 2.5.98

PMI NUTRITION
INTERNATIONAL

TO RICHMOND, IN CC D.G.HAUGHT, ZE

LAB NO 558344 ENTERED 08/01/97 REPORTED 08/12/97 RHI 8002

CERTIFIED RODENT DIET MEAL
LOT NUMBER JUL 30 97 2B

ASSAY	ANALYSIS	UNITS
PROTEIN (N X 6.25)	22.2	%
FAT (ACID HYDRO.)	5.78	%
FIBER (CRUDE)	4.84	%
ARSENIC	0.297	PPM
CADMIUM	0.0646	PPM
CALCIUM	0.897	%
LEAD	0.214	PPM
MERCURY	LESS THAN 0.05	PPM
PHOSPHORUS	0.663	%
SELENIUM	0.277	PPM

Ellis Anderson 9/13/97
REVIEWED BY: DATE

ORGANOPHOSPHATE PEST

	(PPM)		(PPM)
DIAZINON	LESS THAN 0.02	PARATHION	LESS THAN 0.02
DISULFOTON	LESS THAN 0.02	THIMET	LESS THAN 0.02
ETHION	LESS THAN 0.02	THIODAN	LESS THAN 0.02
MALATHION	0.02	TRITHION	LESS THAN 0.02
METHYL PARATHION	LESS THAN 0.02		

PESTICIDE & PCB

	(PPM)		(PPM)
ALDRIN	LESS THAN 0.02	ENDRIN	LESS THAN 0.02
ALPHA-BHC	LESS THAN 0.02	HCB	LESS THAN 0.02
BETA-BHC	LESS THAN 0.02	HEPTACHLOR	LESS THAN 0.02
DELTA-BHC	LESS THAN 0.02	HEPTACHLOR EPOXIDE	LESS THAN 0.02
CHLORDANE	LESS THAN 0.02	LINDANE	LESS THAN 0.02
DDE	LESS THAN 0.02	METHOXYCHLOR	LESS THAN 0.02
DDT..(TOTAL)	LESS THAN 0.02	MIREX	LESS THAN 0.02
DIELDRIN	LESS THAN 0.02	PCB	LESS THAN 0.15

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PMI NUTRITION
INTERNATIONAL

RT LAB NUMBER 558344 PAGE 2

CERTIFIED RODENT DIET MEAL
LOT NUMBER JUL 30 97 2B

AFLATOXIN
TOTAL:LESS THAN 5 PPB

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:
(1) FOR ASSAY METHODOLOGY - MICHAEL J. MURPHY 314-982-2383
(2) FOR NUTRITIONAL INTERPRETATION-DR. DORRANCE HAUGHT 314-768-4362
(3) ALL OTHER QUESTIONS-RICHMOND, IN., MANUFACTURING PLANT 317-962-9561

Elis Anderson 9/13/97
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INTERNATIONAL

TO RICHMOND, IN CC D.G.HAUGHT, 2E

LAB NO 559333 ENTERED 08/08/97 REPORTED 08/19/97 RHI 5002

CERTIFIED RODENT DIET CHECKERS
LOT NUMBER AUG 06 97 2B

ASSAY	ANALYSIS	UNITS
PROTEIN (N X 6.25)	21.8	%
FAT (ACID HYDRO.)	5.95	%
FIBER (CRUDE)	4.21	%
ARSENIC	0.230	PPM
CADMIUM	0.0949	PPM
CALCIUM	0.755	%
LEAD	0.227	PPM
MERCURY	LESS THAN 0.05	PPM
PHOSPHORUS	0.716	%
SELENIUM	0.305	PPM

Elias Anderson 9/24/97
REVIEWED BY: DATE

ORGANOPHOSPHATE PEST

	(PPM)		(PPM)
DIAZINON	LESS THAN 0.02	PARATHION	LESS THAN 0.02
DISULFOTON	LESS THAN 0.02	THIMET	LESS THAN 0.02
ETHION	LESS THAN 0.02	THIODAN	LESS THAN 0.02
MALATHION	LESS THAN 0.02	TRITHION	LESS THAN 0.02
METHYL PARATHION	LESS THAN 0.02		

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PESTICIDE & PCB

	(PPM)		(PPM)
ALDRIN	LESS THAN 0.02	ENDRIN	LESS THAN 0.02
ALPHA-BHC	LESS THAN 0.02	HCB	LESS THAN 0.02
BETA-BHC	LESS THAN 0.02	HEPTACHLOR	LESS THAN 0.02
DELTA-BHC	LESS THAN 0.02	HEPTACHLOR EPOXIDE	LESS THAN 0.02
CHLORDANE	LESS THAN 0.02	LINDANE	LESS THAN 0.02
DDE	LESS THAN 0.02	METHOXYCHLOR	LESS THAN 0.02
DDT..(TOTAL)	LESS THAN 0.02	MIREX	LESS THAN 0.02
DIELDRIN	LESS THAN 0.02	PCB	LESS THAN 0.15

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PMI NUTRITION
INTERNATIONAL

RT LAB NUMBER 589233 PAGE 2

CERTIFIED RODENT DIET CHECKERS
LOT NUMBER AUG 06 97 2B

AFLATOXIN
TOTAL:LESS THAN 5 PPB

FOR ADDITIONAL INFORMATION. PLEASE CONTACT:
(1) FOR ASSAY METHODOLOGY - MICHAEL J. MURPHY 314-982-2282
(2) FOR NUTRITIONAL INTERPRETATION-DR. DORRANCE HAUGHT 314-768-6362
(3) ALL OTHER QUESTIONS-RICHMOND, IN., MANUFACTURING PLANT 317-962-9561

Ellis Anderson 9/24/97
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ASB 2-3-98

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PMI NUTRITION
INTERNATIONAL

TO RICHMOND, IN CC D.G.HAUGHT, 2E

LAB NO 568699 ENTERED 10/09/97 REPORTED 10/20/97 RHI 5002

CERTIFIED RODENT DIET MEAL
LOT NUMBER OCT 07 97 1B

ASSAY	ANALYSIS	UNITS
PROTEIN (N X 6.25)	21.4	%
FAT (ACID HYDRO.)	5.90	%
FIBER (CRUDE)	4.21	%
ARSENIC	LESS THAN 0.2	PPM
CADMIUM	0.0803	PPM
CALCIUM	0.683	%
LEAD	0.198	PPM
MERCURY	LESS THAN 0.05	PPM
PHOSPHORUS	0.626	%
SELENIUM	0.323	PPM

Ellis Anderson 12.11.97
REVIEWED BY: DATE

ORGANOPHOSPHATE PEST

	(PPM)		(PPM)
DIAZINON	LESS THAN 0.02	PARATHION	LESS THAN 0.02
DISULFOTON	LESS THAN 0.02	THIMET	LESS THAN 0.02
ETHION	LESS THAN 0.02	THIODAN	LESS THAN 0.02
MALATHION	0.12	TRITHION	LESS THAN 0.02
METHYL PARATHION	LESS THAN 0.02		

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HCB 2-3-98

PESTICIDE & PCB

	(PPM)		(PPM)
ALDRIN	LESS THAN 0.02	ENDRIN	LESS THAN 0.02
ALPHA-BHC	LESS THAN 0.02	HCB	LESS THAN 0.02
BETA-BHC	LESS THAN 0.02	HEPTACHLOR	LESS THAN 0.02
DELTA-BHC	LESS THAN 0.02	HEPTACHLOR EPOXIDE	LESS THAN 0.02
CHLORDANE	LESS THAN 0.02	LINDANE	LESS THAN 0.02
DDE	LESS THAN 0.02	METHOXYCHLOR	LESS THAN 0.02
DDT..(TOTAL)	LESS THAN 0.02	MIREX	LESS THAN 0.02

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Phone: 314-768-4100 • Fax: 314-768-4761

PMI NUTRITION
INTERNATIONAL

RT LAB NUMBER 568699 PAGE 2

CERTIFIED RODENT DIET MEAL
LOT NUMBER OCT 07 97 1B

PESTICIDE & PCB (CONTINUED)
DIELDRIN..... LESS THAN 0.02 PCB..... LESS THAN 0.15

AFLATOXIN BY TLC
TOTAL:LESS THAN 5 PPB

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:
(1) FOR ASSAY METHODOLOGY - MICHAEL J. MURPHY 314-982-2383
(2) FOR NUTRITIONAL INTERPRETATION-DR. DORRANCE HAUGHT 314-768-4362
(3) ALL OTHER QUESTIONS-RICHMOND, IN., MANUFACTURING PLANT 317-962-9561

Ellen Anderson 12/16/97
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1401 S. Hanley Road • St. Louis, MO 63144
Phone: 314-768-4100 • Fax: 314-768-4765

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. WW 2739832
Collected: 7/ 9/97 at 11:40 by EA

Submitted: 7/ 9/97 Reported: 7/25/97
Discard: 8/25/97

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

Point #1 Formulation Lab Grab Water Sample
905 Sheehy Drive

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
0178	Pesticides/PCB's in Water			See Page 2
1856	Herbicides in Water			See Page 3
0514	Anion Scan			See Page 4

1 COPY TO Argus Research Labs., Inc. ATTN: Alan H. Haberman, Ph D

EXACT COPY

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Questions? Contact your Client Services Representative at (717) 656-2300

09:47:46 D 0001 2 572648
665 0.00 00061000 ASR000

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. WW 2739832
Collected: 7/ 9/97 at 11:40 by EA

Submitted: 7/ 9/97 Reported: 7/25/97
Discard: 8/25/97

Point #1 Formulation Lab Grab Water Sample
905 Sheehy Drive

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
Pesticides/PCB's in Water				
1902	Alpha BHC	< 0.010	0.010	ug/l
1903	Beta BHC	< 0.010	0.010	ug/l
0453	Gamma BHC - Lindane	< 0.010	0.010	ug/l
1904	Delta BHC	< 0.010	0.010	ug/l
0454	Heptachlor	< 0.010	0.010	ug/l
0455	Aldrin	< 0.010	0.010	ug/l
1905	Heptachlor Epoxide	< 0.010	0.010	ug/l
1906	DDE	< 0.010	0.010	ug/l
1907	DDD	< 0.010	0.010	ug/l
0478	DDT	< 0.010	0.010	ug/l
0469	Dieldrin	< 0.010	0.010	ug/l
0477	Endrin	< 0.010	0.010	ug/l
1908	Chlordane	< 0.30	0.30	ug/l
1909	Toxaphene	< 4.0	4.0	ug/l
1910	Endosulfan I	< 0.010	0.010	ug/l
1911	Endosulfan II	< 0.010	0.010	ug/l
1912	Endosulfan Sulfate	< 0.030	0.030	ug/l
0638	Endrin Aldehyde	< 0.10	0.10	ug/l
1913	PCB-1016	< 1.0	1.0	ug/l
1914	PCB-1221	< 1.0	1.0	ug/l
1915	PCB-1232	< 1.0	1.0	ug/l
1916	PCB-1242	< 1.0	1.0	ug/l
1917	PCB-1248	< 1.0	1.0	ug/l
1918	PCB-1254	< 1.0	1.0	ug/l
1919	PCB-1260	< 1.0	1.0	ug/l

Dena Lebo
7/29/97

Questions? Contact your Client Services Representative
at (717) 656-2300

EXACT CO
HOB 2.5.98

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. WW 2739832
Collected: 7/ 9/97 at 11:40 by EA

Submitted: 7/ 9/97 Reported: 7/25/97
Discard: 8/25/97

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

Point #1 Formulation Lab Grab Water Sample (D) DCL 7/29/97
905 Sheehy Drive

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
Herbicides in Water				
1857	2.4-D	< 1.0	1.0	ug/l
1858	2.4,5-TP	< 0.10	0.10	ug/l
5286	2.4,5-T	< 0.10	0.10	ug/l
5287	Dalapon	< 1.0	1.0	ug/l
5288	Dinoseb	< 1.0	1.0	ug/l
5289	Dicamba	< 0.10	0.10	ug/l
5290	MCPP	< 50.	50.	ug/l
5291	MCPA	< 50.	50.	ug/l
5292	2.4-DP (Dichlorprop)	< 1.0	1.0	ug/l
5293	2.4-DB	< 1.0	1.0	ug/l
8103	Pentachlorophenol	< 0.03	0.03	ug/l

The percent recovery for MCPP is outside the QC limits in the laboratory control spike. Since the recovery is high and no MCPP was detected in the sample, the results were reported. MCPP met recovery criteria in the matrix spike and matrix spike duplicate analyses.

Dena Lebo
7/29/97

Questions? Contact your Client Services Representative
at (717) 656-2300

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KBB 8-5-98

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. WW 2739832
Collected: 7/ 9/97 at 11:40 by EA

Submitted: 7/ 9/97 Reported: 7/25/97
Discard: 8/25/97

Point #1 Formulation Lab Grab Water Sample

905 Sheehy Drive

D DLL 7/29/97

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
Anion Scan				
0602	Bromide	< 2.5	2.5	mg/l
0603	Chloride	< 1.0	1.0	mg/l
0604	Fluoride	< 0.50	0.50	mg/l
0605	Nitrate Nitrogen	< 0.50	0.50	mg/l
0606	Nitrite Nitrogen	< 0.50	0.50	mg/l
0607	Ortho-phosphate	< 5.0	5.0	mg/l
0608	Sulfate	< 2.5	2.5	mg/l

Dena Lebo
7/29/97

Questions? Contact your Client Services Representative
at (717) 656-2300

EXACT COPY
#603 A-598

Respectfully Submitted
Erik Frederiksen, BA
Group Leader, Water Quality

MEMBER

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL LABORATORIES, INC.
P.O. Box 319
Chalfont, PA 18914
(215) 723-6466

SAMPLE ANALYSIS REPORT

Customer: Argus Research, Inc.
c/o GTC Group
25 Birch Street
Milford, MA 10757

Attn: (508) 478-0877, X-8182

Sample Number : 4981-97A
Date Sampled : 09/25/97
Time Sampled : 1100
Date Received : 09/25/97
Sampled By : RW
Settlement date:

Sample source: 905 Sheehy Dr., Horsham - Lab Tap
D Formulation JF 10/23/97

ANALYTICAL RESULTS

Water Safety Classification: No Coliform bacteria were detected. Therefore, the water supply, at the time of sampling, meets the EPA and DEP drinking water standards for this parameter.

Parameter	MCL	Result
Total Coliform Bacteria, counts/100 ml	< 1	< 1
Noncoliform bacteria, counts/100 ml		< 1

Note: Sample taken from a water bottle which was placed in the study room for a one week period. JBJ 4/29/98

Results which are outside the "Maximum Contaminant Level" (MCL) established under the "Safe Drinking Water Act" are marked with asterisks (**).

Symbol key:
TNTC - Too numerous to count (> 200)
< - less than
mg/l - milligrams/liter

Received and Reviewed John Barnett 10/23/97

John J. Barnett 4/29/98

Maryann E. Fedock / President

DER #09-332
NJ Cert #77847

ANALYTICAL LABORATORIES, INC.
P.O. Box 319
Chalfont, PA 18914
(215) 723-6466

SAMPLE ANALYSIS REPORT

Customer: Argus Research, Inc.
c/o GTC Group
25 Birch Street
Milford, MA 10757

Attn: (508) 478-0877, X-8182

Sample Number : 4981-97B
Date Sampled : 10/02/97
Time Sampled : 1100
Date Received : 10/02/97
Sampled By : RW
Settlement date:

Sample source: 905 Sheehy Dr., Horsham - Lab Tap (Week Old)
D Formulation
JSB 10/23/97

ANALYTICAL RESULTS

Water Safety Classification: No Coliform bacteria were detected. Therefore, the water supply, at the time of sampling, meets the EPA and DEP drinking water standards for this parameter.

Parameter	MCL	Result
Total Coliform Bacteria, counts/100 ml	< 1	< 1
Noncoliform bacteria, counts/100 ml		< 1

Note: Analysis of the ~~sam~~ water which was in the bottle for one week JBJ 4/29/98 @ JBJ 4/29/98

Results which are outside the "Maximum Contaminant Level" (MCL) established under the "Safe Drinking Water Act" are marked with asterisks (**).

Symbol key:
TNTC - Too numerous to count (> 200)
< - less than
mg/l - milligrams/liter

Reviewed by: John J. Barnett, 4/29/98

Maryann E. Fedock / President

DER #09-332
NJ Cert #77847

ANALYTICAL LABORATORIES, INC.
P.O. Box 319
Chalfont, PA 18914
(215) 723-6466

SAMPLE ANALYSIS REPORT

Customer: **Argus Research, Inc.**
905 Sheehy Drive
Horsham, PA 19044

Attn: **Lab 215-443-8710**

Sample Number : **6403-97**
Date Sampled : **11/19/97**
Time Sampled : **1100**
Date Received : **11/19/97**
Sampled By : **RW**
Settlement date:

Sample source: **Rm. 17**
905 Sheehy Drive
Dec 11/25/97

ANALYTICAL RESULTS

Water Safety Classification: No Coliform bacteria were detected. Therefore, the water supply, at the time of sampling, meets the EPA and DEP drinking water standards for this parameter.

Parameter	MCL	Result
Total Coliform Bacteria, counts/100 ml	< 1	< 1
Noncoliform bacteria, counts/100 ml		< 1
Free Chlorine, mg/l as Cl		< 0.1

Dena Chelo 11/25/97

Results which are outside the "Maximum Contaminant Level" (MCL) established under the "Safe Drinking Water Act" are marked with asterisks (**).

Symbol key:
TNTC - Too numerous to count (> 200)
< - Less than
mg/l - milligrams/liter

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Maryann B. Fedock / President

PA DER #09-332
NJ Cert #77847

ANALYTICAL LABORATORIES, INC.
P.O. Box 319
Chalfont, PA 18914
(215) 723-6466

SAMPLE ANALYSIS REPORT

Customer: **Argus Research, Inc.**
905 Sheehy Drive
Horsham, PA 19044

Attn: **Lab 215-443-8710**

Sample Number : **7808-97B**
Date Sampled : **12/08/97**
Time Sampled : **1000**
Date Received : **12/08/97**
Sampled By : **GWK**
Settlement date:

Sample source: **905 Rm. 9**

ANALYTICAL RESULTS

Water Safety Classification: No Coliform bacteria were detected. Therefore, the water supply, at the time of sampling, meets the EPA and DEP drinking water standards for this parameter.

Parameter	MCL	Result
Total Coliform Bacteria, counts/100 ml	< 1	< 1
Fecal Coliform Bacteria, counts 100 ml		< 1
Total Chlorine, mg/l as Cl		0.3

Dena Lebo 12/17/97

Results which are outside the "Maximum Contaminant Level" (MCL) established under the "Safe Drinking Water Act" are marked with asterisks (**).

Symbol key:
TNTC - Too numerous to count (> 200)
< - Less than
mg/l - milligrams/liter

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TGW 2/5/98

Maryann E. Fedock

Maryann E.Fedock / President

ANALYTICAL LABORATORIES, INC.
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Chalfont, PA 18914
(215) 723-6466

SAMPLE ANALYSIS REPORT

Customer: Argus Research, Inc.
905 Sheehy Drive
Horsham, PA 19044

Attn: Lab 215-443-8710

Sample source: DI 905

Fetal Evaluation 1/19/98

Sample Number : 3064-98A
Date Sampled : 01/14/98
Time Sampled : 1345
Date Received : 01/14/98
Sampled By : GWK
Settlement date:

ANALYTICAL RESULTS

Water Safety Classification: No Coliform bacteria were detected. Therefore, the water supply, at the time of sampling, meets the EPA and DEP drinking water standards for this parameter.

Parameter	MCL	Result
Total Coliform Bacteria, counts/100 ml	< 1	< 1
N coliform bacteria, counts/100 ml		< 1
T l Chlorine, mg/l as Cl		< 0.1

Dena Lebo 1/19/98

Results which are outside the "Maximum Contaminant Level" (MCL) established under the "Safe Drinking Water Act" are marked with asterisks (**).

Symbol key:
TNTC - Too numerous to count (> 200)
< - Less than
mg/l - milligrams/liter

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Maryann E Fedock
Maryann E.Fedock / President

PA DER #09-332
NJ Cert #77847

ANALYTICAL LABORATORIES, INC.
P.O. Box 319
Chalfont, PA 18914
(215) 723-6466

SAMPLE ANALYSIS REPORT

Customer: Argus Research, Inc.
905 Sheehy Drive
Horsham, PA 19044

Attn: Lab 215-443-8710

Sample source: Rm. 10 905

Sample Number : 3064-98B
Date Sampled : 01/14/98
Time Sampled : 1345
Date Received : 01/14/98
Sampled By : GWK
Settlement date:

ANALYTICAL RESULTS

Water Safety Classification: No Coliform bacteria were detected. Therefore, the water supply, at the time of sampling, meets the EPA and DEP drinking water standards for this parameter.

Parameter	MCL	Result
Total Coliform Bacteria, counts/100 ml	< 1	< 1
N coliform bacteria, counts/100 ml		< 1
T l Chlorine, mg/l as Cl		0.2

Dena Lebo
1/19/98

Results which are outside the "Maximum Contaminant Level" (MCL) established under the "Safe Drinking Water Act" are marked with asterisks (**).

Symbol key:
TNTC - Too numerous to count (> 200)
< - Less than
mg/l - milligrams/liter

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Maryann E. Fedock
Maryann E.Fedock / President

PA DER #09-332
NJ Cert #77847

Analysis Repo

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. G5 2649251
Collected:

Submitted: 1/21/97 Reported: 2/10/97
Discard: 2/21/97

Bedding (Bed-O-Cob) Sample

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS	
1646	Barium	< 10.	10.	mg/kg	
1649	Cadmium	< 1.9	1.9	mg/kg	
1651	Chromium	< 3.9	3.9	mg/kg	
1655	Lead	< 9.7	9.7	mg/kg	
1666	Silver	< 1.9	1.9	mg/kg	
6935	Arsenic TR	< 1.0	1.0	mg/kg	
6936	Selenium TR	1.45	0.49	mg/kg	
0159	Mercury	< 0.095	0.095	mg/kg	
1224	Pesticides/PCBs in Solids			See Page	2
1863	Appendix IX Herbicides in Soil			See Page	3

Reviewed by
J Bennett
2/20/97

1 COPY TO Argus Research Labs., Inc. ATTN: Alan M. Hoberman, Ph D

EXACT COPY
HSB 2.5.98

Questions? Contact your Client Services Representative
Gloria Gates at (717) 656-2300
10:01:02 D 0001 1 549997
080 25.00 00067600 ASR000

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER ACIL

Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 5 01/96

Analysis Repo

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. G5 2649251
Collected:

Submitted: 1/21/97 Reported: 2/10/97
Discard: 2/21/97

Bedding (Bed-O-Cob) Sample

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
	Pesticides/PCBs in Solids			
1981	Alpha BHC	< 10.	10.	ug/kg
1982	Beta BHC	< 10.	10.	ug/kg
1218	Gamma BHC - Lindane	< 10.	10.	ug/kg
1983	Delta BHC	< 10.	10.	ug/kg
1219	Heptachlor	< 10.	10.	ug/kg
1220	Aldrin	< 10.	10.	ug/kg
1984	Heptachlor Epoxide	< 10.	10.	ug/kg
1985	DDE	< 10.	10.	ug/kg
1986	DDD	< 10.	10.	ug/kg
1221	DDT	< 10.	10.	ug/kg
1222	Dieldrin	< 10.	10.	ug/kg
1223	Endrin	< 10.	10.	ug/kg
[illegible]959	Methoxychlor	50.	50.	ug/kg
[illegible]87	Chlordane	< 50.	50.	ug/kg
[illegible]88	Toxaphene	< 2,000.	2,000.	ug/kg
[illegible]89	Endosulfan I	< 10.	10.	ug/kg
1990	Endosulfan II	< 10.	10.	ug/kg
1991	Endosulfan Sulfate	< 30.	30.	ug/kg
1992	Endrin Aldehyde	< 100.	100.	ug/kg
1993	PCB-1016	< 200.	200.	ug/kg
1994	PCB-1221	< 200.	200.	ug/kg
1995	PCB-1232	< 200.	200.	ug/kg
1996	PCB-1242	< 200.	200.	ug/kg
1997	PCB-1248	< 200.	200.	ug/kg
1998	PCB-1254	< 200.	200.	ug/kg
1999	PCB-1260	< 200.	200.	ug/kg

Reviewed by
J Barnett
2/20/97

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[illegible] 2-5-98

Questions? Contact your Client Services Representative
Gloria Gates at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

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See reverse side for explanation of symbols and abbreviations

2216 Rev 5/01/96

Analysis Repo

Lancaster Laboratories
A division of Thermo Analytical Inc.

LLI Sample No. G5 2649251
Collected:

Submitted: 1/21/97 Reported: 2/10/97
Discard: 2/21/97

Bedding (Bed-O-Cob) Sample

Account No: 02423
Argus Research Laboratories In
935 Horsham Road
Horsham PA 19044-1230

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED RESULTS	LIMIT OF QUANTITATION	UNITS
Appendix IX Herbicides in Soil				
4174	2,4-D	< 200.	200.	ug/kg
4176	2,4,5-TP (Silvex)	< 50.	50.	ug/kg

Reviewed by
J Barnett
2/20/97

Questions? Contact your Client Services Representative
Gloria Gates at (717) 656-2300

EXACT COPY
SSB 3-5-98

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev 5/01

Author: "Dave Mattie" <mattied@FALCON.AL.WPAFB.AF.MIL> at -FABRIK/Internet
Date: 5/28/1998 10:31 AM
Priority: Normal
TO: Raymond York at ARGUS
Subject: Fwd: Iodine in 5002
---------- Message Contents ----------

From: Dave Mattie
Date: Thu, May 28, 1998 10:31 AM
Subject: Fwd: Iodine in 5002
To: York, Raymond
Received: From [198.247.195.126] kii.kochind.com
By FALCON.AL.WPAFB.AF.MIL (GroupWise SMTP/MIME daemon 4.11)
Thu, 9 Apr 98 14:16:10 EDT
Received: from ictmail01.kochind.com by kii.kochind.com
via smtpd (for falcon.al.wpafb.af.mil [129.48.134.10]) with SMTP; 9
Apr 1998 18:13:35 UT
Received: from 146.209.16.138 by ictmail01.kochind.com with SMTP (
WorldSecure Server SMTP Relay v2.0.2); Thu, 09 Apr 98 13:13:14 -0500
X-Server-Uuid: 06b7a391-5f90-11d1-8cb8-00805fbb0a47
Received: from smtpgwy.purina-mills.com ([199.217.129.202]) by
ictmail02.kochind.com with SMTP (Microsoft Exchange Internet Mail
Service Version 5.5.1960.3) id 2C0F4XP4; Thu, 9 Apr 1998 13:11:22 -0500
Received: from ccMail by smtpgwy.purina-mills.com (SMTPLINK V2.11.01) id
AA892152195; Thu, 09 Apr 98 13:03:04 CST
Message-ID: <9803098921.AA892152195@smtpgwy.purina-mills.com>
Return-Receipt-To: Dorrance_Haught@purina-mills.com
X-WSS-ID: 1933D033255870-1933D030255871-01
Date: Thu, 09 Apr 1998 15:03:04 -0400
From: <Dorrance_Haught@purina-mills.com>
To: mattied@FALCON.AL.WPAFB.AF.MIL
Subject: Iodine in 5002

Dave:

Iodine in 5002 from Calcium Iodate is 0.67 ppm.

Thank you for your interest.

Dorrance Haught, Ph.D.
Manager, Specialty Research
Purina Mills, Inc.

26-JUN-98

Received: from falcon.al.WPAFB.AF.mil by powell.fabrik.com
with SMTP (Fabrik F07.3-000)
id SINN.8469624@powell.fabrik.com ; Thu, 28 May 1998 10:29:13 -0700
Received: from AL-Message_Server by FALCON.AL.WPAFB.AF.MIL
with Novell_GroupWise; Thu, 28 May 1998 13:31:41 -0400
Message-Id: <s56d673d.071@FALCON.AL.WPAFB.AF.MIL>
X-Mailer: Novell GroupWise 4.1
Date: Thu, 28 May 1998 13:31:27 -0400
From: Dave Mattie <mattied@FALCON.AL.WPAFB.AF.MIL>
To: raymond.york@gtclabs.com
Subject: Fwd: Iodine in 5002

APPENDIX L

POSITIVE CONTROL DATA

MOTOR ACTIVITY COMPONENT

Protocol 012-058: Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats: General Observations (Control, Acrylamide, d-Amphetamine, Trimethyltin and MK-801 Dosage Groups) and Motor Activity Data (Control, Acrylamide and d-Amphetamine Dosage Groups)

Description of Test Procedures

A. METHODS

1. Purpose of the Study:

The purpose of this study was to evaluate positive control substances using tests of motor activity and auditory startle habituation and by neurohistological examination. The study is one component of the positive control data collected by the Testing Facility in accordance with the testing guidelines of the U.S. Environmental Protection Agency (EPA).

Five Crl:CD BR VAF/Plus (Sprague-Dawley) rats per sex were randomly assigned to each of five dosage groups given the vehicle or one of four test substances. Detailed descriptions of the design and procedures in this study are provided in the following sections and in Attachment 1 (PROTOCOL AND AMENDMENTS).

2. Regulatory Compliance:

The EPA Good Laboratory Practices (GLPs) were used as the basis for conduct of the study; however, the Quality Assurance Unit did not inspect phases of the study and the prescribed practices regarding characterization and handling of the test substances were modified: Samples of the test solutions/suspensions were not taken for analyses of concentration, stability or homogeneity.

3. Description of Test Substances, Lot Numbers, Suppliers and Storage:

Acrylamide (2-Propenamide; Sigma Chemical Co., Lot 75H0474), a white crystalline powder, was received at the Testing Facility on 07 NOV 95, and stored at room temperature, protected from light.

d-Amphetamine [D-(-)-2-Amino-6-Phosphonohexanoic Acid; Sigma Chemical Co., Lot 75H3787], a white powder, was received at the Testing Facility on 17 NOV 95, and stored at room temperature, protected from light.

Trimethyltin Chloride (Aldrich Chemical Co., Inc., Lot 13229PG), a clear crystalline solid, was received at the Testing Facility on 18 APR 96, and stored at room temperature, protected from light.

MK-801 (hydrogen maleate; Research Biochemicals Internation, Lot QGK-1094B), a white crystalline solid, was received at the Testing Facility on 23 APR 96; and stored at room temperature, protected from light.

The vehicle was 0.9% Sodium Chloride Injection, USP (Baxter Healthcare Corporation, Lot C304717) received at the Testing Facility on 30 JAN 96, and stored at room temperature.

4. **Special Handling Instructions:**

Appropriate safety precautions [use of protective clothing (Tyvek suit), gloves (nitrile), dust-mist respirator, half-face respirator or full-face respirator, safety goggles or safety glasses and a face-shield or a fume hood) were taken when handling the prepared solutions/suspensions and bulk test substances.

Concentrations of 0 mg/mL (0.9% Sodium Chloride for Injection, Vehicle), 45 mg/mL (acrylamide), 0.75 mg/mL (d-amphetamine), 5 mg/mL (MK-801) and 4 mg/mL (trimethyltin chloride) were prepared such that dosages of 0, 45, 0.75, 10 and 8 mg/kg/day were administered at dosage volumes of 1, 1, 1, 2 and 2 mL/kg, respectively. Dosages were administered via intraperitoneal injection as described below:

Acrylamide (Group II) and the vehicle (Group I) were administered once every day for a maximum of ten days. The vehicle was also administered to Group I prior to the third motor activity test on the last day of the dosage period for the rats in Group II and again prior to the fourth motor activity test three days after the end of the dosage period for the rats in Group II.

d-Amphetamine (Group III) was administered prior to the second auditory startle habituation and motor activity tests and prior to the third and fourth motor activity tests.

MK-801 (Group IV) and trimethyltin chloride (Group V) were administered once.

5. **Motor Activity Test:**

Motor activity was evaluated: 1) before the first day of dosage administration in all groups (Session 1); 2) as soon as possible after dosage on the eighth day of dosage administration for Groups I and II and after the second dose for Group III (Session 2); 3) on the last day of the dosage period for Group II—a decision was made to test motor activity on this day after dosage of these Groups I and II, so Group I was given a second dose that day prior to the test—and after the third dose for Group III (Session 3); and 4) three days after the last day of dosage for Group II and after rats in Groups I and III were injected with another dose (Session 4).

The movements of each rat were monitored by a passive infrared sensor mounted outside a stainless-steel wire-bottomed cage (40.6 x 25.4 x 17.8 cm). Each test session was 1.5 hours in duration with the number of movements and time spent in movement tabulated at each five-minute interval. The apparatus monitored a rack of up to 32 cages and sensors during each session, with each rat tested in the same location on the rack across test sessions.

As a result of equipment failure, one test was invalid (Group II male rat 17960). This occurrence is noted in the raw data and the tables.

On days 1 or 7 of observation (16 APR 96), motor activity data was not recorded for male rats 17951 (Group I), 17956 (Group II) and 17961 (Group III). This deviation did not adversely affect the outcome or interpretation of the study because the missing data were distributed across dosage groups.

6. **Auditory Startle**:

Rats were tested for their reactivity to auditory stimuli and habituation of responses with repeated presentation of stimuli. Auditory startle was evaluated: 1) before the first day of dosage administration in all groups (Session 1); 2) within 20 minutes after dosage on the seventh day of dosage administration for Groups I and II and after the first dose for Group III (Session 2); and 3) for Groups I, II and III on the last day of dosage for Group II, after motor activity tests were conducted on Groups I, II and III as described above (Session 3). None of the groups were injected immediately before the auditory startle tests in Session 3, which followed motor activity tests.

The rats were tested in sets of up to four rats within a sound-attenuated chamber. Each rat was placed inside a small cage situated above a platform containing a force transducer (Coulbourn Instruments, Inc.) in its base. A microcomputer sampled the output of the force transducer and controlled the test session. The rats were initially given an adaptation period of five minutes. During the last minute of this period, ten "blank" trials were given to sample the baseline force in the absence of a stimulus. The rats were then presented with 20 msec, 120 dB bursts of noise at ten-second intervals for 50 trials. An additional ten "blank" trials followed. The peak amplitude of each response was recorded. These data will be tabulated separately from this report. The average response on baseline trials was subtracted to calculate the response magnitude, and the average response magnitude and the pattern of responses over ten trial blocks were compared among the dosage groups.

As a result of equipment failure, two tests were invalid [Group VI male rat 17971 (data invalid after trial 40), and Group IV male rats 17972 and 17973].

These occurrences are noted in the raw data and the tables.

Auditory startle evaluations were not performed within 20 minutes after dosage, as tabulated below.

Group	Assigned Number	Time of Dosage	Time of Auditory Startle Evaluation	Elapsed Time (minutes)
I	17976	0914	0946	32
I	17977	0915	0947	32
II	17981	0917	0946	29
III	17986	0918	0947	29

These deviations did not adversely affect the outcome or interpretation of the study because the variations from the specified times are not expected to cause substantial differences in performance.

7. **Scheduled Sacrifice of Rats and Neurohistological Examination**:

Rats in Group III were sacrificed by carbon dioxide asphyxiation on the day following the last dose, and a gross necropsy of the thoracic, abdominal and pelvic viscera was performed. The carcasses were discarded without further evaluation.

The rats in Groups I and II were sacrificed three or four days after the last day of dosage for Group II. Rats in Group IV were sacrificed four days after dosage and rats in Group V were sacrificed seven days after dosage. These rats were administered a combination of heparin and an anesthetic and perfused *in situ* with neutral buffered 10% formalin. A gross necropsy of the thoracic, abdominal and pelvic viscera was performed. The calvaria was removed and the head immersed in the fixative. After an interval of at least 24 hours, the brain was removed from the skull and weighed.

In rats not specifically selected for possible neurohistological examination, the vertebral column was cut into segments and the hindlimbs were removed and dissected to expose the peripheral nerves. These tissues were immersed in the fixative along with the head and brain and retained for possible evaluation.

In rats selected for possible neurohistological examination, the vertebral column was dissected to expose the spinal cord, and the hindlimbs were removed and dissected to expose the peripheral nerves; these tissues were immersed in neutral buffered 10% formalin. After an appropriate interval (at

least 24 hours) for additional fixation one or more or the following tissues were removed and trimmed for histological processing (the tissue was identified in the raw data), the brain, the Gasserian ganglia, the cervical, thoracic and lumbar regions of the spinal cord (with dorsal root ganglia and nerve roots), and sections of the sciatic, tibial, fibular and sural nerves. Central nervous system tissues, along with the ganglia and spinal nerve roots, were embedded in paraffin, and peripheral nerves were embedded in plastic. Sections were stained with hematoxylin and eosin, luxol fast blue/cresyl violet or toluidine blue, and/or the Bielschowsky's technique, or the sections were processed by other methods when appropriate.

The peripheral nerves and the dorsal root ganglia and nerve roots were examined for histological alterations in three rats of each sex and dosage group selected from Groups I(Vehicle) and II (Acrylamide). The rats given acrylamide were selected on the basis of clinical observations rather than being randomly selected. Among the rats selected for neuropathological examination from these groups were two Group II rats (male rat 17957 and female rat 17983) that were moribund sacrificed on the day before the date of scheduled sacrifice and two control group rats (male rat 17951 and female rat 17976) that were selected for sacrifice at the same time. At the request of the consulting pathologist, both hindlimbs from the selected rats were sent for histological processing, rather than a single hindlimb from each rat (the procedure specified in the Standard Operating Procedure of the Testing Facility.

The brain was examined for histological alterations in three rats of each sex and dosage group selected from Groups I(Vehicle), IV(MK-801) and V(Trimethyltin); an additional Group IV female rat, which had been moribund sacrificed on the day before scheduled sacrifice, was included. The rats given MK-801 and trimethyltin were selected on the basis of clinical observations rather than being randomly selected.

8. **Statistical Methods and Study Schedule:**

Data for clinical observations, body weights, feed consumption values, and necropsy and histological observations were tabulated and summarized, but these data were not evaluated by inferential statistics.

The incidences of neurohistological alterations were evaluated by a one-tail Fisher's Exact test comparing the vehicle control group with each of the other dosage groups.

Data from the motor activity tests and auditory startle tests, with repeated measurements within a session, were analyzed using an Analysis of Variance with Repeated Measures.

A significant effect ($P \leq 0.05$) in that test appeared as an effect of Test Substance (a difference between groups in the total across all measurements in a session) or as an interaction between Test Substance and Block (a difference between groups at specific measurement periods). The Test Substance effect was significant, the totals for the control group and the groups given the different test substances were compared using Dunnett's Test. The Test Substance x Block interaction was significant, an Analysis of Variance Test was used to evaluate the data at each measurement period, and a significant result ($P \leq 0.05$) was followed by a comparison of the groups using Dunnett's Test. The small sample sizes precluded a meaningful analysis without pooling the results for males and females; if pooling was required, the group means were reported for each sex in addition to the totals.

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
MORTALITY	0	3	0	0	0
FOUND DEAD	0	2a,b	0	0	0
MORIBUND SACRIFICED	0	1c	0	0	0
PREDOSAGE:					
MAXIMUM POSSIBLE INCIDENCE	10/ 5	10/ 5	15/ 5	25/ 5	25/ 5
INCISORS: MISALIGNED	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
DOSAGE:					
MAXIMUM POSSIBLE INCIDENCE	69/ 5	66/ 5	40/ 5	25/ 5	40/ 5
ATAXIA	0/ 0	17/ 5	0/ 0	7/ 5	4/ 4
LABORED BREATHING	0/ 0	4/ 3b,c	0/ 0	0/ 0	0/ 0
HINDLIMBS: SPLAYED AND DRAGGING	0/ 0	4/ 2	0/ 0	0/ 0	0/ 0
RED URINE	0/ 0	2/ 2a,b	0/ 0	0/ 0	0/ 0
HINDLIMBS: DRAGGING	0/ 0	4/ 1c	0/ 0	0/ 0	0/ 0
CONVULSION: TONIC EXTENSOR	0/ 0	1/ 1c	0/ 0	0/ 0	0/ 0
IMPAIRED RIGHTING REFLEX	0/ 0	1/ 1c	0/ 0	5/ 5	0/ 0
LOST RIGHTING REFLEX	0/ 0	2/ 2b,c	0/ 0	3/ 3	0/ 0
EXCESS SALIVATION	0/ 0	0/ 0	0/ 0	5/ 5	0/ 0
DECREASED MOTOR ACTIVITY	0/ 0	0/ 0	0/ 0	5/ 5	0/ 0

MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 17958 was found dead on day 12 of study.
b. Rat 17960 was found dead on day 13 of study.
c. Rat 17957 was moribund sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
MORTALITY	0	3	0	0	0
FOUND DEAD	0	2a,b	0	0	0
MORIBUND SACRIFICED	0	1c	0	0	0
DOSAGE: (cont.)					
MAXIMUM POSSIBLE INCIDENCE	69/ 5	66/ 5	40/ 5	25/ 5	40/ 5
DECREASED MOTOR ACTIVITY - NO MOVEMENT	0/ 0	0/ 0	0/ 0	4/ 4	0/ 0
HEAD WEAVING	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
UNGROOMED COAT	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
HYPERREACTIVITY	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1
BODY JERKS	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1
RED PERINASAL SUBSTANCE	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
INCISORS: TOTAL	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
MISSING/BROKEN	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
MISALIGNED	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
URINE-STAINED ABDOMINAL FUR	0/ 0	13/ 5	0/ 0	0/ 0	0/ 0
NO FECES IN CAGEPAN	0/ 0	1/ 1a	0/ 0	0/ 0	0/ 0
SOFT OR LIQUID FECES	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0

MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 17958 was found dead on day 12 of study.
b. Rat 17960 was found dead on day 13 of study.
c. Rat 17957 was moribund sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 2 (PAGE 1): BODY WEIGHTS - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS TESTED	N	5	5	5	5	5
BODY WEIGHT (G)						
PREDOSAGE:						
DAY 1	MEAN±S.D	438.0 ± 18.7	438.4 ± 18.8	426.4 ± 20.1	438.4 ± 31.2	430.0 ± 33.8
DOSAGE:						
DAY 1a	MEAN±S.D.	511.2 ± 21.8	503.4 ± 28.1	525.6 ± 29.6	589.4 ± 51.8	565.2 ± 63.9
DAY 5	MEAN±S.D.	534.4 ± 28.5	494.4 ± 22.7	521.0 ± 29.5	577.6 ± 55.5	509.8 ± 88.7
DAY 8	MEAN±S.D.	537.2 ± 29.6	479.6 ± 18.9	532.0 ± 30.1		473.4 ± 114.7
DAY 10	MEAN±S.D.	538.8 ± 29.7	476.2 ± 21.1			
DAY 11	MEAN±S.D.	534.8 ± 33.1	472.6 ± 26.7			
DAY 13	MEAN±S.D.	547.2 ± 31.2	451.2 ± 27.0 [4]b			
DAY 14	MEAN±S.D.	555.0 ± 34.8 [4]c	461.5 ± 4.9 [2]b			

DAY = DAY PREDOSAGE OR OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rats that died or were moribund sacrificed.
c. Excludes values for rat 17951, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 3 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS TESTED	N	5	5	5	5	5
BODY WEIGHT CHANGE (G)						
DOSAGE:						
DAYS 1a- 5	MEAN±S.D.	+23.2 ± 8.0	-9.0 ± 11.3	-4.6 ± 5.6	-11.8 ± 6.4	-55.4 ± 45.9
DAYS 5 - 8	MEAN±S.D.	+2.8 ± 2.9	-14.8 ± 16.4	+11.0 ± 5.1		-36.4 ± 28.9
DAYS 1a- 8	MEAN±S.D.	+26.0 ± 9.5	-23.8 ± 25.8	+6.4 ± 5.5		-91.8 ± 71.4
DAYS 8 - 10	MEAN±S.D.	+1.6 ± 3.9	-3.4 ± 8.6			
DAYS 1a- 10	MEAN±S.D.	+27.6 ± 10.2	-27.2 ± 27.2			
DAYS 10 - 11	MEAN±S.D.	-4.0 ± 5.5	-3.6 ± 10.5			
DAYS 11 - 13	MEAN±S.D.	+12.4 ± 2.5	-25.5 ± 26.2 [4]b			
DAYS 1a- 13	MEAN±S.D.	+36.0 ± 10.4	-58.8 ± 42.6 [4]b			
DAYS 13 - 14	MEAN±S.D.	+4.2 ± 2.4 [4]c	+3.0 ± 2.8 [2]b			
DAYS 1a- 14	MEAN±S.D.	+40.2 ± 12.6 [4]c	-26.0 ± 19.8 [2]b			

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rats that died or were moribund sacrificed.
c. Excludes values for rat 17951, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 4 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS TESTED	N	5	5	5	5	5
FEED CONSUMPTION (G/DAY)						
DOSAGE:						
DAYS 1a- 5	MEAN±S.D.	31.5 ± 2.7	21.9 ± 2.6	28.7 ± 3.2	23.9 ± 1.3	17.9 ± 11.1
DAYS 5 - 8	MEAN±S.D.	28.6 ± 2.2	18.1 ± 4.8	28.7 ± 3.3		11.8 ± 15.0
DAYS 1a- 8	MEAN±S.D.	30.2 ± 2.5	20.2 ± 3.2	28.7 ± 3.2		15.3 ± 12.6
DAYS 8 - 10	MEAN±S.D.	28.2 ± 1.2	18.4 ± 5.6			
DAYS 1a- 10	MEAN±S.D.	29.8 ± 2.1	19.8 ± 3.5			
DAYS 10 - 11	MEAN±S.D.	28.4 ± 4.2				
DAYS 11 - 13	MEAN±S.D.	29.2 ± 2.6				
DAYS 1a- 13	MEAN±S.D.	29.6 ± 2.3				
DAYS 13 - 14	MEAN±S.D.	29.2 ± 3.0 [4]b				
DAYS 1a- 14	MEAN±S.D.	29.8 ± 2.7 [4]b				

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rat 17951, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 5 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(THT)
RATS TESTED	N	5	5	5	5	5
FEED CONSUMPTION (G/KG/DAY)						
DOSAGE:						
DAYS 1a- 5	MEAN±S.D.	60.1 ± 3.4	44.2 ± 5.5	54.9 ± 3.7	41.9 ± 2.0	32.1 ± 16.2
DAYS 5 - 8	MEAN±S.D.	53.5 ± 2.7	37.2 ± 10.1	54.5 ± 4.8		20.6 ± 25.3
DAYS 1a- 8	MEAN±S.D.	57.2 ± 3.1	41.2 ± 6.9	54.6 ± 4.0		27.6 ± 19.4
DAYS 8 - 10	MEAN±S.D.	52.6 ± 1.9	38.5 ± 11.5			
DAYS 1a- 10	MEAN±S.D.	56.2 ± 2.5	40.7 ± 7.4			
DAYS 10 - 11	MEAN±S.D.	52.8 ± 5.7				
DAYS 11 - 13	MEAN±S.D.	54.0 ± 4.0				
DAYS 1a- 13	MEAN±S.D.	55.6 ± 2.9				
DAYS 13 - 14	MEAN±S.D.	52.9 ± 4.4 [4]b				
DAYS 1a- 14	MEAN±S.D.	55.4 ± 3.5 [4]b				

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rat 17951, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 1): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
PREDOSAGE				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	71.4 ± 9.5	58.2 ± 16.8	69.2 ± 5.0
BLOCK 2	MEAN ± S.D.	68.6 ± 6.8	53.0 ± 20.0	66.4 ± 7.2
BLOCK 3	MEAN ± S.D.	69.8 ± 12.1	60.0 ± 18.8	73.2 ± 9.7
BLOCK 4	MEAN ± S.D.	64.2 ± 3.7	53.8 ± 11.7	69.8 ± 9.8
BLOCK 5	MEAN ± S.D.	69.6 ± 7.5	60.8 ± 17.2	69.6 ± 8.9
BLOCK 6	MEAN ± S.D.	53.2 ± 18.5	60.2 ± 16.2	71.0 ± 8.5
BLOCK 7	MEAN ± S.D.	64.8 ± 4.9	61.6 ± 15.5	70.6 ± 7.6
BLOCK 8	MEAN ± S.D.	62.2 ± 3.1	59.8 ± 16.8	68.2 ± 15.2
BLOCK 9	MEAN ± S.D.	64.0 ± 12.1	49.6 ± 13.5	72.2 ± 11.4
BLOCK 10	MEAN ± S.D.	67.2 ± 9.4	58.2 ± 16.3	72.6 ± 10.6
BLOCK 11	MEAN ± S.D.	66.6 ± 10.3	51.6 ± 8.6	65.2 ± 10.5
BLOCK 12	MEAN ± S.D.	58.2 ± 10.7	55.2 ± 16.2	64.2 ± 8.6
BLOCK 13	MEAN ± S.D.	58.4 ± 10.1	53.6 ± 10.7	62.2 ± 25.1
BLOCK 14	MEAN ± S.D.	71.0 ± 6.0	52.2 ± 15.0	51.4 ± 34.4
BLOCK 15	MEAN ± S.D.	58.8 ± 14.6	54.8 ± 20.8	57.0 ± 33.7
BLOCK 16	MEAN ± S.D.	39.4 ± 23.5	39.6 ± 33.7	55.2 ± 28.9
BLOCK 17	MEAN ± S.D.	13.4 ± 25.6	32.8 ± 29.2	44.8 ± 31.8
BLOCK 18	MEAN ± S.D.	10.6 ± 23.7	19.6 ± 20.1	31.2 ± 26.5
TOTAL	MEAN ± S.D.	1031.4 ± 55.3	934.6 ± 242.1	1134.0 ± 196.8

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 2): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
PREDOSAGE				
NUMBER OF RATS	N	5	5	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	195.6 ± 21.8	217.2 ± 37.0	207.2 ± 28.9
BLOCK 2	MEAN ± S.D.	160.2 ± 33.2	190.8 ± 43.1	174.4 ± 41.7
BLOCK 3	MEAN ± S.D.	155.6 ± 23.6	187.0 ± 48.2	169.0 ± 17.1
BLOCK 4	MEAN ± S.D.	145.2 ± 11.3	156.0 ± 36.4	145.2 ± 27.7
BLOCK 5	MEAN ± S.D.	139.4 ± 14.4	161.2 ± 28.8	133.8 ± 12.4
BLOCK 6	MEAN ± S.D.	115.4 ± 53.7	156.2 ± 39.9	152.2 ± 29.1
BLOCK 7	MEAN ± S.D.	139.6 ± 22.8	152.8 ± 41.9	131.0 ± 27.9
BLOCK 8	MEAN ± S.D.	137.0 ± 37.7	175.6 ± 24.2	124.4 ± 49.4
BLOCK 9	MEAN ± S.D.	112.4 ± 35.1	142.6 ± 52.2	148.6 ± 28.5
BLOCK 10	MEAN ± S.D.	119.8 ± 28.8	150.6 ± 46.4	144.8 ± 15.7
BLOCK 11	MEAN ± S.D.	136.2 ± 46.1	153.2 ± 43.4	119.6 ± 33.7
BLOCK 12	MEAN ± S.D.	95.0 ± 18.8	125.2 ± 28.9	110.2 ± 62.7
BLOCK 13	MEAN ± S.D.	107.8 ± 40.9	129.6 ± 47.0	89.2 ± 49.4
BLOCK 14	MEAN ± S.D.	109.2 ± 26.1	116.2 ± 27.1	92.8 ± 63.4
BLOCK 15	MEAN ± S.D.	103.4 ± 60.6	98.6 ± 39.2	115.4 ± 76.8
BLOCK 16	MEAN ± S.D.	59.4 ± 45.8	79.6 ± 83.6	93.0 ± 64.4
BLOCK 17	MEAN ± S.D.	18.0 ± 39.7	47.0 ± 43.8	55.8 ± 53.9
BLOCK 18	MEAN ± S.D.	14.6 ± 32.6	27.0 ± 32.2	55.0 ± 57.7
TOTAL	MEAN ± S.D.	2063.8 ± 355.4	2466.4 ± 427.5	2261.6 ± 543.6

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 3): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 2				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	71.8 ± 8.8	66.0 ± 14.9	66.2 ± 6.4
BLOCK 2	MEAN ± S.D.	70.6 ± 10.3	32.0 ± 29.2*	68.4 ± 7.9
BLOCK 3	MEAN ± S.D.	74.4 ± 15.3	25.6 ± 33.0*	76.2 ± 15.2
BLOCK 4	MEAN ± S.D.	66.4 ± 11.6	21.4 ± 29.6**	71.6 ± 2.3
BLOCK 5	MEAN ± S.D.	66.8 ± 6.4	9.0 ± 11.9**	79.2 ± 13.5
BLOCK 6	MEAN ± S.D.	62.8 ± 6.9	9.8 ± 11.0**	75.0 ± 7.0
BLOCK 7	MEAN ± S.D.	60.0 ± 13.6	7.6 ± 6.9**	77.8 ± 13.2
BLOCK 8	MEAN ± S.D.	36.6 ± 29.5	2.8 ± 1.9*	70.6 ± 5.8*
BLOCK 9	MEAN ± S.D.	29.8 ± 30.4	12.2 ± 11.8	74.0 ± 7.6**
BLOCK 10	MEAN ± S.D.	18.6 ± 26.1	10.8 ± 8.9	77.2 ± 7.1**
BLOCK 11	MEAN ± S.D.	18.8 ± 26.4	8.0 ± 3.5	72.0 ± 6.8**
BLOCK 12	MEAN ± S.D.	11.6 ± 23.8	5.6 ± 4.3	69.8 ± 14.7**
BLOCK 13	MEAN ± S.D.	1.6 ± 1.8	10.8 ± 10.9	71.2 ± 18.0**
BLOCK 14	MEAN ± S.D.	14.4 ± 22.3	8.4 ± 7.8	67.6 ± 23.4**
BLOCK 15	MEAN ± S.D.	9.6 ± 17.8	6.0 ± 9.6	63.4 ± 10.5**
BLOCK 16	MEAN ± S.D.	15.0 ± 28.0	9.6 ± 12.1	70.0 ± 11.3**
BLOCK 17	MEAN ± S.D.	1.8 ± 1.1	12.2 ± 13.1	62.8 ± 23.2**
BLOCK 18	MEAN ± S.D.	2.6 ± 5.3	8.8 ± 6.6	68.8 ± 22.5**
TOTAL	MEAN ± S.D.	633.2 ± 106.0	266.6 ± 114.4**	1281.8 ± 146.9**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value ($P \leq 0.05$).
** Significantly different from the vehicle control group value ($P \leq 0.01$).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 4): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 2				
NUMBER OF RATS	N	5	5	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	177.4 ± 27.0	154.2 ± 65.1	225.0 ± 22.7
BLOCK 2	MEAN ± S.D.	144.4 ± 40.9	84.4 ± 92.5	203.4 ± 47.9
BLOCK 3	MEAN ± S.D.	125.2 ± 32.3	62.8 ± 86.4	196.4 ± 50.5
BLOCK 4	MEAN ± S.D.	139.8 ± 61.0	42.6 ± 77.4*	207.0 ± 33.3
BLOCK 5	MEAN ± S.D.	111.6 ± 35.0	12.6 ± 20.9**	180.4 ± 41.0*
BLOCK 6	MEAN ± S.D.	109.4 ± 47.1	10.4 ± 14.8**	214.8 ± 15.9**
BLOCK 7	MEAN ± S.D.	103.2 ± 45.1	5.6 ± 5.1**	182.0 ± 27.2**
BLOCK 8	MEAN ± S.D.	57.4 ± 67.4	1.8 ± 2.5	185.2 ± 32.5**
BLOCK 9	MEAN ± S.D.	59.4 ± 66.8	10.4 ± 10.5	163.6 ± 43.1**
BLOCK 10	MEAN ± S.D.	25.4 ± 38.6	16.6 ± 29.4	149.0 ± 39.5**
BLOCK 11	MEAN ± S.D.	24.8 ± 34.3	8.2 ± 6.1	190.0 ± 29.9**
BLOCK 12	MEAN ± S.D.	12.8 ± 27.0	4.6 ± 5.8	147.6 ± 45.7**
BLOCK 13	MEAN ± S.D.	1.6 ± 2.3	11.8 ± 15.7	126.2 ± 38.6**
BLOCK 14	MEAN ± S.D.	13.2 ± 21.8	9.2 ± 10.2	125.8 ± 48.6**
BLOCK 15	MEAN ± S.D.	6.8 ± 13.6	7.8 ± 15.2	135.6 ± 62.8**
BLOCK 16	MEAN ± S.D.	16.6 ± 35.4	7.4 ± 8.5	106.4 ± 44.7**
BLOCK 17	MEAN ± S.D.	2.0 ± 2.9	11.2 ± 13.9	123.0 ± 71.4**
BLOCK 18	MEAN ± S.D.	3.0 ± 6.2	5.2 ± 4.9	120.6 ± 64.6**
TOTAL	MEAN ± S.D.	1134.0 ± 409.6	466.8 ± 347.3	2982.0 ± 571.8**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value (P≤0.05).
** Significantly different from the vehicle control group value (P≤0.01).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 5): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0(VEHICLE)	45(ACRYLAMIDE)	0.75(d-AMPHETAMINE)
SESSION 3				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	70.0 ± 12.1	62.0 ± 20.6	57.0 ± 5.6
BLOCK 2	MEAN ± S.D.	66.4 ± 7.2	47.8 ± 39.1	66.6 ± 3.7
BLOCK 3	MEAN ± S.D.	72.8 ± 12.4	19.8 ± 24.3**	72.8 ± 8.6
BLOCK 4	MEAN ± S.D.	68.6 ± 9.4	10.4 ± 15.6**	74.8 ± 9.0
BLOCK 5	MEAN ± S.D.	65.2 ± 9.0	10.2 ± 7.2**	75.4 ± 2.2
BLOCK 6	MEAN ± S.D.	44.0 ± 28.7	9.2 ± 3.3*	72.0 ± 8.3*
BLOCK 7	MEAN ± S.D.	39.0 ± 25.9	8.2 ± 7.5*	69.4 ± 10.7*
BLOCK 8	MEAN ± S.D.	33.0 ± 31.7	17.0 ± 16.5	73.0 ± 2.4*
BLOCK 9	MEAN ± S.D.	32.2 ± 35.3	10.6 ± 8.0	67.4 ± 8.0*
BLOCK 10	MEAN ± S.D.	25.0 ± 30.4	23.6 ± 29.2	71.2 ± 14.8*
BLOCK 11	MEAN ± S.D.	9.4 ± 11.1	19.6 ± 21.7	72.6 ± 3.8**
BLOCK 12	MEAN ± S.D.	2.0 ± 1.6	5.0 ± 2.1	75.6 ± 2.3**
BLOCK 13	MEAN ± S.D.	1.8 ± 1.5	18.8 ± 15.4*	73.4 ± 7.8**
BLOCK 14	MEAN ± S.D.	4.2 ± 1.9	14.8 ± 12.4	72.8 ± 11.2**
BLOCK 15	MEAN ± S.D.	3.2 ± 4.6	8.0 ± 8.7	75.2 ± 12.4**
BLOCK 16	MEAN ± S.D.	6.4 ± 9.0	12.0 ± 8.4	66.8 ± 18.2**
BLOCK 17	MEAN ± S.D.	0.4 ± 0.9	20.4 ± 11.3	55.4 ± 27.9**
BLOCK 18	MEAN ± S.D.	1.6 ± 1.8	12.4 ± 11.2	56.6 ± 34.1**
TOTAL	MEAN ± S.D.	545.2 ± 139.8	329.8 ± 135.5*	1248.0 ± 81.0**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value (P≤0.05).
** Significantly different from the vehicle control group value (P≤0.01).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 6): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP			I	II	III
DOSAGE (MG/KG/DAY)			0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 3					
NUMBER OF RATS		N	5	5	5
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	MEAN ± S.D.		176.0 ± 45.4	115.8 ± 65.6	232.6 ± 42.7
BLOCK 2	MEAN ± S.D.		160.6 ± 32.3	81.4 ± 78.8	223.4 ± 48.1
BLOCK 3	MEAN ± S.D.		148.4 ± 21.2	39.6 ± 70.8**	201.8 ± 35.0
BLOCK 4	MEAN ± S.D.		147.8 ± 33.0	14.0 ± 30.2**	203.8 ± 34.3*
BLOCK 5	MEAN ± S.D.		121.2 ± 12.8	7.8 ± 5.1**	205.6 ± 28.8**
BLOCK 6	MEAN ± S.D.		74.0 ± 58.5	5.8 ± 4.8*	204.0 ± 36.7**
BLOCK 7	MEAN ± S.D.		58.2 ± 43.3	7.0 ± 9.4	187.8 ± 45.4**
BLOCK 8	MEAN ± S.D.		44.2 ± 44.0	19.2 ± 18.8	208.6 ± 24.8**
BLOCK 9	MEAN ± S.D.		34.4 ± 36.4	8.8 ± 5.3	187.6 ± 49.5**
BLOCK 10	MEAN ± S.D.		29.4 ± 39.6	31.6 ± 39.2	170.6 ± 48.5**
BLOCK 11	MEAN ± S.D.		9.2 ± 12.7	21.4 ± 28.6	175.0 ± 38.2**
BLOCK 12	MEAN ± S.D.		0.6 ± 0.5	2.4 ± 1.8	159.8 ± 42.0**
BLOCK 13	MEAN ± S.D.		0.6 ± 0.9	18.2 ± 11.2	153.8 ± 38.7**
BLOCK 14	MEAN ± S.D.		2.6 ± 2.7	14.8 ± 13.2	159.2 ± 31.9**
BLOCK 15	MEAN ± S.D.		1.2 ± 1.6	5.6 ± 8.7	151.4 ± 45.4**
BLOCK 16	MEAN ± S.D.		7.0 ± 14.0	9.8 ± 8.2	114.6 ± 56.1**
BLOCK 17	MEAN ± S.D.		0.0 ± 0.0	20.8 ± 13.8	91.0 ± 60.3**
BLOCK 18	MEAN ± S.D.		0.2 ± 0.4	12.4 ± 17.3	114.8 ± 78.5**
TOTAL	MEAN ± S.D.		1015.6 ± 240.5	436.4 ± 199.3	3145.4 ± 641.2**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

* Significantly different from the vehicle control group value (P≤0.05).

** Significantly different from the vehicle control group value (P≤0.01).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 7): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0(VEHICLE)	45(ACRYLAMIDE)	0.75(d-AMPHETAMINE)
SESSION 4				
NUMBER OF RATS	N	5	3a	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	73.0 ± 10.8	44.3 ± 44.0	60.6 ± 6.1
BLOCK 2	MEAN ± S.D.	70.2 ± 13.1	35.3 ± 31.0*	63.4 ± 3.8
BLOCK 3	MEAN ± S.D.	69.4 ± 8.8	7.7 ± 12.4**	72.0 ± 4.7
BLOCK 4	MEAN ± S.D.	59.6 ± 6.2	6.3 ± 7.8**	69.0 ± 6.6
BLOCK 5	MEAN ± S.D.	71.4 ± 14.7	17.0 ± 25.2**	74.6 ± 10.4
BLOCK 6	MEAN ± S.D.	64.4 ± 14.0	9.3 ± 4.0**	69.2 ± 7.2
BLOCK 7	MEAN ± S.D.	53.2 ± 18.1	8.0 ± 5.6**	74.4 ± 8.0*
BLOCK 8	MEAN ± S.D.	35.0 ± 28.6	3.7 ± 5.5	75.2 ± 13.4*
BLOCK 9	MEAN ± S.D.	24.6 ± 30.7	3.7 ± 1.2	78.2 ± 5.2**
BLOCK 10	MEAN ± S.D.	18.4 ± 32.8	12.7 ± 12.9	74.4 ± 8.8**
BLOCK 11	MEAN ± S.D.	16.6 ± 29.3	5.7 ± 6.6	77.6 ± 9.2**
BLOCK 12	MEAN ± S.D.	14.8 ± 26.4	10.7 ± 8.4	78.6 ± 6.4**
BLOCK 13	MEAN ± S.D.	18.4 ± 28.9	1.0 ± 1.0	74.0 ± 7.4**
BLOCK 14	MEAN ± S.D.	11.4 ± 20.0	2.0 ± 2.0	76.4 ± 12.2**
BLOCK 15	MEAN ± S.D.	16.6 ± 31.2	10.3 ± 15.3	74.2 ± 3.8**
BLOCK 16	MEAN ± S.D.	9.0 ± 19.6	0.3 ± 0.6	78.0 ± 4.2**
BLOCK 17	MEAN ± S.D.	16.8 ± 19.3	3.3 ± 5.8	74.4 ± 10.2**
BLOCK 18	MEAN ± S.D.	8.4 ± 15.6	8.3 ± 8.0	76.4 ± 9.5**
TOTAL	MEAN ± S.D.	651.2 ± 174.8	189.7 ± 143.5**	1320.6 ± 76.9**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
a. Excludes values for rats that were found dead.
* Significantly different from the vehicle control group value (P≤0.05).
** Significantly different from the vehicle control group value (P≤0.01).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 8): MOTOR ACTIVITY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 4				
NUMBER OF RATS	N	5	3a	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	170.4 ± 38.9	69.3 ± 78.8*	233.0 ± 25.3
BLOCK 2	MEAN ± S.D.	148.8 ± 42.7	55.7 ± 48.5*	217.2 ± 36.6*
BLOCK 3	MEAN ± S.D.	134.4 ± 25.8	6.3 ± 11.0**	211.2 ± 3.3**
BLOCK 4	MEAN ± S.D.	116.8 ± 35.3	5.0 ± 7.8**	202.0 ± 25.7**
BLOCK 5	MEAN ± S.D.	113.6 ± 25.2	24.0 ± 39.8**	200.6 ± 20.5**
BLOCK 6	MEAN ± S.D.	91.2 ± 19.6	7.7 ± 6.4**	186.0 ± 33.3**
BLOCK 7	MEAN ± S.D.	82.6 ± 57.2	11.0 ± 13.4	174.4 ± 35.8*
BLOCK 8	MEAN ± S.D.	49.0 ± 50.5	3.3 ± 5.8	204.2 ± 20.9**
BLOCK 9	MEAN ± S.D.	26.2 ± 37.8	1.3 ± 0.6	167.6 ± 35.8**
BLOCK 10	MEAN ± S.D.	34.6 ± 73.5	28.7 ± 43.7	169.8 ± 13.4**
BLOCK 11	MEAN ± S.D.	18.4 ± 36.2	4.0 ± 4.6	172.8 ± 26.3**
BLOCK 12	MEAN ± S.D.	15.0 ± 27.5	9.3 ± 8.6	157.4 ± 18.3**
BLOCK 13	MEAN ± S.D.	21.4 ± 31.9	0.0 ± 0.0	179.0 ± 37.1**
BLOCK 14	MEAN ± S.D.	12.2 ± 23.5	0.3 ± 0.6	139.4 ± 13.2**
BLOCK 15	MEAN ± S.D.	25.8 ± 43.3	10.7 ± 18.5	143.2 ± 39.2**
BLOCK 16	MEAN ± S.D.	11.6 ± 25.9	0.0 ± 0.0	139.6 ± 36.6**
BLOCK 17	MEAN ± S.D.	26.8 ± 38.6	2.7 ± 4.6	148.0 ± 49.4**
BLOCK 18	MEAN ± S.D.	5.4 ± 11.5	5.3 ± 5.0	157.6 ± 40.5**
TOTAL	MEAN ± S.D.	1104.2 ± 279.4	244.7 ± 212.3**	3203.0 ± 301.0**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
a. Excludes values for rats that were found dead.
* Significantly different from the vehicle control group value ($P \leq 0.05$).
** Significantly different from the vehicle control group value ($P \leq 0.01$).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 7 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS EXAMINED a	N	5	5	5	5	5
MORTALITY	N	0	3	0	0	0
FOUND DEAD	N	0	2b,c	0	0	0
MORIBUND SACRIFICED	N	0	1d	0	0	0
APPEARED NORMAL	N	4	1	5	5	5
URINARY BLADDER:						
DISTENDED WITH TRANSPARENT OR OPAQUE YELLOW FLUID OR DARK RED VISCOUS FLUID	N	1	3c,d	0	0	0
EXTERNAL OBSERVATIONS:						
FLANKS, LOWER MIDLINE, INGUINAL AREA OR LOWER MIDLINE FUR STAINED WITH DARK RED SUBSTANCE	N	0	2b,d	0	0	0
CHROMODACRYORRHEA	N	0	1b	0	0	0

a. Refer to the individual clinical observations table (Table 9) for external observations confirmed at necropsy.
b. Rat 17958 was found dead on day 12 of study.
c. Rat 17960 was found dead on day 13 of study.
d. Rat 17957 was moribund sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 8 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS TESTED	N	5	5	5	5	5
INCLUDED IN ANALYSES	N	5	3a	b	5	5
TERMINAL BODY WEIGHT	MEAN±S.D.	550.6 ± 31.7	445.3 ± 28.2		577.6 ± 55.5	473.4 ± 114.7
BRAIN	MEAN±S.D.	2.54 ± 0.07	2.54 ± 0.12		2.49 ± 0.13	2.50 ± 0.20
BRAIN (%TBW)	MEAN±S.D.	0.460 ± 0.022	0.573 ± 0.066		0.432 ± 0.031	0.548 ± 0.101

REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Excludes values for rats that were found dead.
b. Excludes values that were not recorded.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - MALE RATS

RAT #		DESCRIPTION
DOSAGE GROUP I		0.9% SALINE 0(VEHICLE) MG/KG/DAY
17951		NO ADVERSE FINDINGS
17952		NO ADVERSE FINDINGS
17953		NO ADVERSE FINDINGS
17954		NO ADVERSE FINDINGS
17955		NO ADVERSE FINDINGS
DOSAGE GROUP II		ACRYLAMIDE 45 MG/KG/DAY
17956	DS(9- 12)	ATAXIA
	DS(12)	SOFT OR LIQUID FECES
	DS(12- 14)	URINE-STAINED ABDOMINAL FUR
	DS(13- 14)	HINDLIMBS: SPLAYED AND DRAGGING
17957	DS(9- 12)	HINDLIMBS: DRAGGING
	DS(10)	CONVULSION: TONIC EXTENSION
	DS(10)	LABORED BREATHING
	DS(11- 12)	ATAXIA
	DS(11- 13)	URINE-STAINED ABDOMINAL FUR
	DS(12)	IMPAIRED RIGHTING REFLEX
	DS(13)	LOST RIGHTING REFLEX
	DS(13)	MORIBUND SACRIFICED
17958	DS(9- 11)	ATAXIA
	DS(10- 11)	URINE-STAINED ABDOMINAL FUR
	DS(11)	RED URINE
	DS(11)	NO FECES IN CAGEPAN
	DS(12)	FOUND DEAD
17959	DS(9- 12)	ATAXIA
	DS(13)	LABORED BREATHING
	DS(13- 14)	HINDLIMBS: SPLAYED AND DRAGGING
	DS(13- 14)	URINE-STAINED ABDOMINAL FUR
17960	DS(9- 12)	ATAXIA
	DS(10)	LABORED BREATHING
	DS(11- 13)	URINE-STAINED ABDOMINAL FUR
	DS(13)	LOST RIGHTING REFLEX
	DS(13)	LABORED BREATHING
	DS(13)	RED URINE
	DS(13)	FOUND DEAD

DP = DAY PREDOSAGE DS = DAY OF STUDY

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - MALE RATS

RAT #			DESCRIPTION	
DOSAGE GROUP III			d-AMPHETAMINE	0.75 MG/KG/DAY
17961			NO ADVERSE FINDINGS	
17962			NO ADVERSE FINDINGS	
17963			NO ADVERSE FINDINGS	
17964			NO ADVERSE FINDINGS	
17965			NO ADVERSE FINDINGS	
DOSAGE GROUP IV			MK-801	10 MG/KG/DAY
17966	DS(	1)	IMPAIRED RIGHTING REFLEX	
	DS(	1)	LOST RIGHTING REFLEX	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	EXCESS SALIVATION	
	DS(	2)	ATAXIA	
17967	DS(	1)	IMPAIRED RIGHTING REFLEX	
	DS(	1)	LOST RIGHTING REFLEX	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	1)	EXCESS SALIVATION	
	DS(	2)	ATAXIA	
17968	DS(	1)	IMPAIRED RIGHTING REFLEX	
	DS(	1)	LOST RIGHTING REFLEX	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	1)	EXCESS SALIVATION	
	DS(	1- 2)	ATAXIA	
17969	DP(	16)	INCISORS: MISALIGNED	
	DP(	23)	INCISORS: REALIGNED	
	DS(	1)	IMPAIRED RIGHTING REFLEX	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	1)	HEAD WEAVING	
	DS(	1)	EXCESS SALIVATION	
	DS(	2)	ATAXIA	
17970	DS(	1)	IMPAIRED RIGHTING REFLEX	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	1)	EXCESS SALIVATION	
	DS(	1- 2)	ATAXIA	
	DS(	2)	UNGROOMED COAT	

DP = DAY PREDOSAGE DS = DAY OF STUDY

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - MALE RATS

RAT #		DESCRIPTION
DOSAGE GROUP V		TMT 8 MG/KG/DAY
17971	DS(1)	ATAXIA
17972		NO ADVERSE FINDINGS
17973	DS(1)	ATAXIA
17974	DS(1)	ATAXIA
17975	DS(1)	ATAXIA
	DS(6)	RED PERINASAL SUBSTANCE
	DS(7- 8)	HYPERREACTIVITY
	DS(7- 8)	BODY JERKS
	DS(8)	INCISORS: MISSING/BROKEN a
	DS(8)	INCISORS: MISALIGNED a

DP = DAY PREDOSAGE DS = DAY OF STUDY

a. Observation confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - MALE RATS

PREDOSAGE:

DAY	1	8	16	23	30
RAT #	DOSAGE GROUP I			0.9% SALINE	0(VEHICLE) MG/KG/DAY
17951	411.	440.			
17952	461.	484.			
17953	430.	454.			
17954	443.	470.			
17955	445.	483.			
RAT #	DOSAGE GROUP II			ACRYLAMIDE	45 MG/KG/DAY
17956	418.	447.			
17957	456.	482.			
17958	419.	452.			
17959	444.	460.			
17960	455.	479.			
RAT #	DOSAGE GROUP III			d-AMPHETAMINE	0.75 MG/KG/DAY
17961	395.	421.	459.		
17962	451.	473.	532.		
17963	431.	459.	498.		
17964	428.	453.	483.		
17965	427.	461.	491.		
RAT #	DOSAGE GROUP IV			MK-801	10 MG/KG/DAY
17966	416.	464.	513.	558.	599.
17967	492.	533.	577.	615.	638.
17968	430.	461.	485.	514.	535.
17969	437.	452.	480.	508.	532.
17970	417.	441.	480.	505.	520.
RAT #	DOSAGE GROUP V			TMT	8 MG/KG/DAY
17971	377.	405.	424.	444.	461.
17972	470.	511.	557.	581.	624.
17973	427.	446.	487.	518.	534.
17974	435.	471.	506.	541.	565.
17975	441.	478.	511.	539.	565.

DAY = DAY OF PREDOSAGE ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - MALE RATS

DOSAGE:

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
RAT #	DOSAGE GROUP I			0.9% SALINE			0(VEHICLE) MG/KG/DAY						
17951	497.	505.	505.	518.	520.	518.	522.	519.	516.	523.	517.	522.	533.
17952	534.	549.	555.	560.	570.	562.	568.	576.	570.	579.	574.	580.	584.
17953	485.	493.	495.	501.	500.	502.	503.	505.	502.	503.	493.	503.	506.
17954	507.	506.	512.	516.	525.	527.	524.	526.	524.	532.	528.	534.	541.
17955	533.	540.	544.	552.	557.	554.	558.	560.	553.	557.	562.	562.	572.

DAY	14
17951	
17952	590.
17953	510.
17954	547.
17955	573.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - MALE RATS

DOSAGE:

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
RAT #	DOSAGE GROUP II			ACRYLAMIDE			45 MG/KG/DAY						
17956	477.	477.	482.	483.	488.	482.	482.	492.	472.	481.	464.	446.	464.
17957	528.	519.	508.	512.	512.	498.	487.	473.	463.	461.	464.	449.	413.
17958	477.	468.	465.	460.	465.	461.	457.	461.	468.	467.	456.	a	
17959	498.	496.	488.	481.	485.	484.	481.	466.	464.	461.	459.	463.	453.
17960	537.	530.	523.	522.	522.	515.	509.	506.	512.	511.	520.	515.	475.

DAY	14
17956	465.
17957	MORIBUND SACRIFICED ON DAY 13 OF STUDY
17958	FOUND DEAD ON DAY 12 OF STUDY
17959	458.
17960	FOUND DEAD ON DAY 13 OF STUDY

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Rat 17958 was found dead on day 12 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - MALE RATS

DOSAGE:								
DAY	1	2	3	4	5	6	7	8
RAT #	DOSAGE GROUP III			d-AMPHETAMINE			0.75 MG/KG/DAY	
17961	482.	477.	471.	479.	475.	484.	485.	488.
17962	563.	557.	550.	564.	557.	559.	572.	570.
17963	538.	537.	530.	541.	526.	531.	533.	536.
17964	518.	510.	509.	516.	520.	520.	521.	522.
17965	527.	524.	527.	528.	527.	535.	538.	542.
RAT #	DOSAGE GROUP IV			MK-801			10 MG/KG/DAY	
17966	631.	609.	614.	603.	614.			
17967	658.	629.	632.	637.	657.			
17968	558.	525.	535.	535.	542.			
17969	560.	542.	549.	546.	548.			
17970	540.	504.	518.	517.	527.			
RAT #	DOSAGE GROUP V			TMT			8 MG/KG/DAY	
17971	471.	454.	444.	426.	415.	387.	368.	353.
17972	648.	643.	648.	648.	651.	644.	651.	652.
17973	550.	525.	529.	534.	525.	545.	511.	512.
17974	582.	563.	552.	524.	493.	461.	440.	431.
17975	575.	543.	516.	495.	465.	435.	431.	419.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 11 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - MALE RATS

DOSAGE:

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14
RAT #	DOSAGE GROUP I			0.9% SALINE			0(VEHICLE) MG/KG/DAY						
17951	32.	28.	31.	29.	27.	30.	26.	25.	30.	26.	29.	30.	
17952	33.	31.	29.	34.	27.	30.	30.	26.	31.	29.	28.	28.	28.
17953	29.	29.	30.	28.	28.	28.	24.	26.	27.	24.	28.	24.	26.
17954	30.	34.	27.	31.	29.	28.	25.	29.	29.	28.	31.	28.	30.
17955	41.	35.	38.	30.	33.	34.	30.	29.	30.	35.	31.	35.	33.
RAT #	DOSAGE GROUP II			ACRYLAMIDE			45 MG/KG/DAY						
17956	23.	24.	26.	28.	21.	24.	25.	17.	22.				
17957	22.	17.	21.	19.	13.	12.	6.	7.	10.				
17958	20.	18.	16.	21.	21.	17.	21.	21.	22.				
17959	26.	23.	20.	22.	24.	15.	16.	20.	21.				
17960	26.	22.	21.	23.	22.	18.	16.	22.	22.				

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 11 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - MALE RATS

DOSAGE:							
DAYS 1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	
RAT #	DOSAGE GROUP III		d-AMPHETAMINE			0.75 MG/KG/DAY	
17961	23.	25.	27.	24.	30.	24.	26.
17962	31.	32.	36.	29.	35.	32.	29.
17963	29.	29.	34.	27.	33.	29.	28.
17964	24.	26.	28.	25.	26.	24.	22.
17965	31.	36.	29.	29.	31.	31.	31.
RAT #	DOSAGE GROUP IV		MK-801			10 MG/KG/DAY	
17966	16.	29.	27.	29.			
17967	9.	21.	36.	34.			
17968	11.	27.	28.	28.			
17969	15.	26.	30.	25.			
17970	10.	20.	29.	29.			
RAT #	DOSAGE GROUP V		TMT			8 MG/KG/DAY	
17971	18.	12.	7.	5.	4.	0.	0.
17972	33.	34.	31.	39.	29.	31.	30.
17973	16.	25.	28.	28.	43.	7.	29.
17974	20.	19.	11.	3.	0.	0.	3.
17975	13.	9.	7.	1.	1.	0.	0.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 1): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE		0(VEHICLE) MG/KG/DAY	PREDOSAGE
RAT NUMBER	17951	17952	17953	17954	17955
NUMBER OF MOVEMENTS					
BLOCK 1	77	65	83	59	73
BLOCK 2	74	67	75	58	69
BLOCK 3	77	55	86	68	63
BLOCK 4	64	59	69	63	66
BLOCK 5	81	70	68	60	69
BLOCK 6	62	61	67	55	21
BLOCK 7	60	69	61	63	71
BLOCK 8	63	57	62	64	65
BLOCK 9	63	66	44	74	73
BLOCK 10	67	65	58	63	83
BLOCK 11	62	77	61	78	55
BLOCK 12	59	66	70	53	43
BLOCK 13	58	67	56	43	68
BLOCK 14	74	62	68	77	74
BLOCK 15	33	65	68	62	66
BLOCK 16	7	50	35	71	34
BLOCK 17	2	6	0	59	0
BLOCK 18	0	0	0	53	0
TOTAL	983	1027	1031	1123	993

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 2): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE		0(VEHICLE) MG/KG/DAY	PREDOSAGE
RAT NUMBER	17951	17952	17953	17954	17955
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	187	224	174	213	180
BLOCK 2	149	210	151	171	120
BLOCK 3	142	192	159	156	129
BLOCK 4	141	162	131	148	144
BLOCK 5	148	152	149	120	128
BLOCK 6	126	187	125	101	38
BLOCK 7	109	171	149	131	138
BLOCK 8	107	202	135	117	124
BLOCK 9	81	143	68	133	137
BLOCK 10	96	165	98	131	109
BLOCK 11	163	162	165	134	57
BLOCK 12	107	110	108	81	69
BLOCK 13	76	170	128	75	90
BLOCK 14	75	125	91	115	140
BLOCK 15	24	102	115	192	84
BLOCK 16	2	56	72	127	40
BLOCK 17	0	1	0	89	0
BLOCK 18	0	0	0	73	0
TOTAL	1733	2534	2018	2307	1727

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 3): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	PREDOSAGE	
RAT NUMBER	17956	17957	17958	17959	17960
NUMBER OF MOVEMENTS					
BLOCK 1	76	67	59	31	58
BLOCK 2	62	61	74	22	46
BLOCK 3	75	71	71	30	53
BLOCK 4	54	60	64	34	57
BLOCK 5	76	57	73	33	65
BLOCK 6	78	47	74	41	61
BLOCK 7	75	54	73	38	68
BLOCK 8	72	70	74	39	44
BLOCK 9	51	40	70	35	52
BLOCK 10	54	63	77	33	64
BLOCK 11	63	51	51	39	54
BLOCK 12	54	63	74	30	55
BLOCK 13	52	70	42	47	57
BLOCK 14	56	43	71	32	59
BLOCK 15	80	71	49	28	46
BLOCK 16	70	60	6	0	62
BLOCK 17	61	55	3	0	45
BLOCK 18	21	22	4	0	51
TOTAL	1130	1025	1009	512	997

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 4): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY		PREDOSAGE
RAT NUMBER	17956	17957	17958	17959	17960
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	217	224	164	268	213
BLOCK 2	211	152	146	250	195
BLOCK 3	177	118	187	252	201
BLOCK 4	141	132	119	205	183
BLOCK 5	155	130	139	196	186
BLOCK 6	156	103	138	210	174
BLOCK 7	127	95	163	200	179
BLOCK 8	149	182	159	212	176
BLOCK 9	162	78	117	218	138
BLOCK 10	129	139	128	233	124
BLOCK 11	161	115	133	225	132
BLOCK 12	100	142	116	167	101
BLOCK 13	124	114	62	179	169
BLOCK 14	71	120	116	135	139
BLOCK 15	163	107	67	85	71
BLOCK 16	197	74	3	0	124
BLOCK 17	90	80	0	0	65
BLOCK 18	23	32	1	0	79
TOTAL	2553	2137	1958	3035	2649

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 5): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	PREDOSAGE	
RAT NUMBER	17961	17962	17963	17964	17965
NUMBER OF MOVEMENTS					
BLOCK 1	74	69	70	61	72
BLOCK 2	75	68	68	66	55
BLOCK 3	86	61	72	68	79
BLOCK 4	71	68	73	55	82
BLOCK 5	70	68	71	57	82
BLOCK 6	77	63	80	61	74
BLOCK 7	63	77	73	62	78
BLOCK 8	50	77	84	54	76
BLOCK 9	74	68	80	55	84
BLOCK 10	67	69	78	61	88
BLOCK 11	63	56	55	73	79
BLOCK 12	56	71	63	56	75
BLOCK 13	27	64	60	62	98
BLOCK 14	0	74	62	35	86
BLOCK 15	0	60	65	71	89
BLOCK 16	6	53	77	70	70
BLOCK 17	0	53	25	73	73
BLOCK 18	2	51	11	27	65
TOTAL	861	1170	1167	1067	1405

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 6): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY		PREDOSAGE
RAT NUMBER	17961	17962	17963	17964	17965
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	186	173	222	209	246
BLOCK 2	144	146	190	151	241
BLOCK 3	176	174	145	160	190
BLOCK 4	152	142	159	100	173
BLOCK 5	125	121	129	149	145
BLOCK 6	113	129	171	174	174
BLOCK 7	94	108	153	148	152
BLOCK 8	54	122	175	104	167
BLOCK 9	171	118	165	117	172
BLOCK 10	122	146	162	138	156
BLOCK 11	118	72	117	124	167
BLOCK 12	48	133	76	86	208
BLOCK 13	16	87	121	76	146
BLOCK 14	0	133	90	74	167
BLOCK 15	0	114	216	123	124
BLOCK 16	3	65	94	172	131
BLOCK 17	0	43	15	92	129
BLOCK 18	0	80	8	46	141
TOTAL	1522	2106	2408	2243	3029

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 7): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 2	
RAT NUMBER	17951	17952	17953	17954	17955
NUMBER OF MOVEMENTS					
BLOCK 1	73	58	81	77	70
BLOCK 2	83	68	79	65	58
BLOCK 3	88	68	75	89	52
BLOCK 4	81	57	74	67	53
BLOCK 5	60	66	62	76	70
BLOCK 6	51	69	64	65	65
BLOCK 7	84	58	52	54	52
BLOCK 8	16	75	14	62	16
BLOCK 9	1	70	0	29	49
BLOCK 10	0	58	0	2	33
BLOCK 11	0	39	0	0	55
BLOCK 12	0	4	0	0	54
BLOCK 13	0	4	0	1	3
BLOCK 14	0	4	8	54	6
BLOCK 15	0	7	0	41	0
BLOCK 16	4	5	1	65	0
BLOCK 17	2	2	0	3	2
BLOCK 18	0	12	1	0	0
TOTAL	543	724	511	750	638

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 8): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE		0(VEHICLE) MG/KG/DAY	SESSION 2
RAT NUMBER	17951	17952	17953	17954	17955
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	202	196	171	184	134
BLOCK 2	170	202	132	114	104
BLOCK 3	149	150	105	144	78
BLOCK 4	98	219	115	189	78
BLOCK 5	72	148	115	143	80
BLOCK 6	59	170	78	147	93
BLOCK 7	85	174	68	121	68
BLOCK 8	11	165	17	83	11
BLOCK 9	0	149	0	40	108
BLOCK 10	0	88	0	1	38
BLOCK 11	0	69	0	0	55
BLOCK 12	0	3	0	0	61
BLOCK 13	0	5	0	0	3
BLOCK 14	0	3	5	52	6
BLOCK 15	0	3	0	31	0
BLOCK 16	1	2	0	80	0
BLOCK 17	0	2	0	7	1
BLOCK 18	0	14	1	0	0
TOTAL	847	1762	807	1336	918

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 9): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 2		
RAT NUMBER	17956	17957	17958	17959	17960
NUMBER OF MOVEMENTS					
BLOCK 1	67	41	80	74	68
BLOCK 2	60	5	11	17	67
BLOCK 3	67	0	2	3	56
BLOCK 4	68	1	34	2	2
BLOCK 5	28	0	0	13	4
BLOCK 6	27	0	14	2	6
BLOCK 7	0	3	18	9	8
BLOCK 8	3	2	2	1	6
BLOCK 9	6	1	26	4	24
BLOCK 10	26	10	7	8	3
BLOCK 11	7	6	13	4	10
BLOCK 12	5	3	5	13	2
BLOCK 13	3	12	0	28	11
BLOCK 14	6	5	2	7	22
BLOCK 15	1	4	0	2	23
BLOCK 16	4	4	31	7	2
BLOCK 17	5	9	35	2	10
BLOCK 18	17	3	14	2	8
TOTAL	400	109	294	198	332

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 10): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 2	
RAT NUMBER	17956	17957	17958	17959	17960
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	228	50	152	178	163
BLOCK 2	212	11	16	29	154
BLOCK 3	174	0	0	1	139
BLOCK 4	179	0	31	0	3
BLOCK 5	49	0	0	12	2
BLOCK 6	36	0	8	0	8
BLOCK 7	0	2	11	11	4
BLOCK 8	5	0	0	0	4
BLOCK 9	6	0	19	3	24
BLOCK 10	69	7	3	3	1
BLOCK 11	6	4	6	6	19
BLOCK 12	2	3	2	15	1
BLOCK 13	3	6	0	39	11
BLOCK 14	6	6	1	6	27
BLOCK 15	1	3	0	0	35
BLOCK 16	6	3	22	6	0
BLOCK 17	3	8	35	0	10
BLOCK 18	12	0	7	1	6
TOTAL	997	103	313	310	611

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 11): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 2		
RAT NUMBER	17961	17962	17963	17964	17965
NUMBER OF MOVEMENTS					
BLOCK 1	72	70	69	64	56
BLOCK 2	67	68	79	57	71
BLOCK 3	71	71	100	59	80
BLOCK 4	70	72	75	72	69
BLOCK 5	69	73	90	67	97
BLOCK 6	75	83	78	64	75
BLOCK 7	63	72	99	78	77
BLOCK 8	65	65	70	76	77
BLOCK 9	74	62	82	73	79
BLOCK 10	76	71	88	71	80
BLOCK 11	69	77	79	62	73
BLOCK 12	71	66	88	48	76
BLOCK 13	79	77	71	41	88
BLOCK 14	67	67	84	30	90
BLOCK 15	66	66	69	45	71
BLOCK 16	74	54	71	66	85
BLOCK 17	79	22	68	71	74
BLOCK 18	84	35	89	57	79
TOTAL	1291	1171	1449	1101	1397

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 12): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 2		
RAT NUMBER	17961	17962	17963	17964	17965
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	208	241	236	194	246
BLOCK 2	225	254	178	133	227
BLOCK 3	238	235	147	136	226
BLOCK 4	231	227	185	159	233
BLOCK 5	226	204	140	134	198
BLOCK 6	242	206	206	216	204
BLOCK 7	195	183	156	156	220
BLOCK 8	233	188	157	153	195
BLOCK 9	214	131	127	139	207
BLOCK 10	189	142	121	103	190
BLOCK 11	239	170	162	190	189
BLOCK 12	155	137	169	77	200
BLOCK 13	161	105	121	76	168
BLOCK 14	165	105	138	52	169
BLOCK 15	225	81	152	70	150
BLOCK 16	151	43	82	113	143
BLOCK 17	201	13	166	105	130
BLOCK 18	185	21	135	98	164
TOTAL	3683	2686	2778	2304	3459

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 13): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY		SESSION 3
RAT NUMBER	17951	17952	17953	17954	17955
NUMBER OF MOVEMENTS					
BLOCK 1	82	53	76	77	62
BLOCK 2	71	72	67	68	54
BLOCK 3	83	87	73	58	63
BLOCK 4	83	67	61	60	72
BLOCK 5	64	60	61	81	60
BLOCK 6	12	65	18	78	47
BLOCK 7	28	44	0	64	59
BLOCK 8	0	55	0	69	41
BLOCK 9	0	22	0	73	66
BLOCK 10	7	2	0	54	62
BLOCK 11	0	5	0	17	25
BLOCK 12	2	3	1	0	4
BLOCK 13	1	4	0	2	2
BLOCK 14	6	4	1	5	5
BLOCK 15	11	3	0	2	0
BLOCK 16	1	22	3	6	0
BLOCK 17	0	0	0	2	0
BLOCK 18	0	0	4	3	1
TOTAL	451	568	365	719	623

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 14): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY		SESSION 3
RAT NUMBER	17951	17952	17953	17954	17955
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	189	228	179	181	103
BLOCK 2	169	206	153	159	116
BLOCK 3	132	181	159	136	134
BLOCK 4	162	171	110	181	115
BLOCK 5	118	137	125	124	102
BLOCK 6	13	103	25	156	73
BLOCK 7	33	86	0	110	62
BLOCK 8	0	102	0	64	55
BLOCK 9	0	32	0	56	84
BLOCK 10	5	1	0	53	88
BLOCK 11	0	2	0	15	29
BLOCK 12	1	1	0	0	1
BLOCK 13	0	2	0	0	1
BLOCK 14	2	3	0	1	7
BLOCK 15	3	3	0	0	0
BLOCK 16	0	32	1	2	0
BLOCK 17	0	0	0	0	0
BLOCK 18	0	0	1	0	0
TOTAL	827	1290	753	1238	970

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 15): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 3

RAT NUMBER	17956	17957	17958	17959	17960
NUMBER OF MOVEMENTS					
BLOCK 1	67	28	84	63	68
BLOCK 2	66	74	87	0	12
BLOCK 3	61	5	22	1	10
BLOCK 4	2	2	8	2	38
BLOCK 5	8	2	20	15	6
BLOCK 6	7	15	8	8	8
BLOCK 7	2	0	13	18	8
BLOCK 8	24	2	42	4	13
BLOCK 9	8	1	23	12	9
BLOCK 10	0	1	33	70	14
BLOCK 11	8	14	58	12	6
BLOCK 12	5	7	2	7	4
BLOCK 13	5	17	45	16	11
BLOCK 14	3	33	22	7	9
BLOCK 15	5	2	23	8	2
BLOCK 16	1	5	18	19	17
BLOCK 17	16	21	39	9	17
BLOCK 18	5	5	22	3	27
TOTAL	293	234	569	274	279

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 16): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 3		
RAT NUMBER	17956	17957	17958	17959	17960
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	208	26	126	94	125
BLOCK 2	177	90	136	0	4
BLOCK 3	165	1	25	0	7
BLOCK 4	1	0	1	0	68
BLOCK 5	10	1	13	11	4
BLOCK 6	3	14	2	4	6
BLOCK 7	1	0	4	23	7
BLOCK 8	37	2	41	2	14
BLOCK 9	15	1	9	12	7
BLOCK 10	0	0	43	94	21
BLOCK 11	7	9	72	15	4
BLOCK 12	5	3	0	2	2
BLOCK 13	12	20	37	13	9
BLOCK 14	1	32	20	2	19
BLOCK 15	1	0	21	4	2
BLOCK 16	0	4	17	19	9
BLOCK 17	21	14	43	6	20
BLOCK 18	5	2	13	0	42
TOTAL	669	219	623	301	370

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 17): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 3		
RAT NUMBER	17961	17962	17963	17964	17965
NUMBER OF MOVEMENTS					
BLOCK 1	63	54	63	54	51
BLOCK 2	72	62	68	65	66
BLOCK 3	80	73	72	59	80
BLOCK 4	78	73	81	60	82
BLOCK 5	76	75	76	78	72
BLOCK 6	76	73	73	80	58
BLOCK 7	76	80	70	52	69
BLOCK 8	72	72	75	76	70
BLOCK 9	60	64	77	61	75
BLOCK 10	75	69	93	52	67
BLOCK 11	69	71	75	70	78
BLOCK 12	78	76	77	75	72
BLOCK 13	72	76	85	64	70
BLOCK 14	65	80	64	66	89
BLOCK 15	78	69	58	80	91
BLOCK 16	75	85	37	73	64
BLOCK 17	80	68	10	48	71
BLOCK 18	93	61	1	57	71
TOTAL	1338	1281	1155	1170	1296

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

MRGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 18): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 3		
RAT NUMBER	17961	17962	17963	17964	17965
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	240	264	232	161	266
BLOCK 2	236	259	237	139	246
BLOCK 3	189	230	219	146	225
BLOCK 4	214	221	206	145	233
BLOCK 5	207	232	177	176	236
BLOCK 6	164	226	203	174	253
BLOCK 7	192	210	185	115	237
BLOCK 8	214	222	176	192	239
BLOCK 9	243	192	159	120	224
BLOCK 10	181	211	147	99	215
BLOCK 11	174	224	130	147	200
BLOCK 12	186	144	115	135	219
BLOCK 13	174	164	130	101	200
BLOCK 14	165	147	169	114	201
BLOCK 15	187	190	105	99	176
BLOCK 16	172	119	21	131	130
BLOCK 17	118	153	3	57	124
BLOCK 18	180	140	0	71	183
TOTAL	3436	3548	2614	2322	3807

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 19): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 4	
RAT NUMBER	17951	17952	17953	17954	17955
NUMBER OF MOVEMENTS					
BLOCK 1	78	69	89	61	68
BLOCK 2	74	80	82	65	50
BLOCK 3	60	60	73	75	79
BLOCK 4	65	63	64	51	55
BLOCK 5	87	85	52	69	64
BLOCK 6	58	84	52	74	54
BLOCK 7	69	75	33	48	41
BLOCK 8	18	25	4	75	53
BLOCK 9	3	9	2	74	35
BLOCK 10	0	1	0	76	15
BLOCK 11	1	5	4	69	4
BLOCK 12	2	4	4	62	2
BLOCK 13	0	4	0	20	68
BLOCK 14	2	1	6	1	47
BLOCK 15	2	9	0	0	72
BLOCK 16	1	0	0	0	44
BLOCK 17	0	9	11	14	50
BLOCK 18	0	1	0	5	36
TOTAL	520	584	476	839	837

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 20): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 4		
RAT NUMBER	17951	17952	17953	17954	17955
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	176	213	167	188	108
BLOCK 2	148	193	136	182	85
BLOCK 3	119	180	125	128	120
BLOCK 4	150	154	101	109	70
BLOCK 5	108	157	95	111	97
BLOCK 6	89	118	63	95	91
BLOCK 7	81	180	47	69	36
BLOCK 8	15	29	1	124	76
BLOCK 9	1	5	0	88	37
BLOCK 10	0	0	0	166	7
BLOCK 11	0	4	4	83	1
BLOCK 12	0	7	3	64	1
BLOCK 13	0	8	0	23	76
BLOCK 14	1	0	6	0	54
BLOCK 15	3	25	0	0	101
BLOCK 16	0	0	0	0	58
BLOCK 17	0	11	14	14	95
BLOCK 18	0	0	0	1	26
TOTAL	891	1284	762	1445	1139

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 21): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 4

RAT NUMBER	17956	17957	17958a	17959	17960b
NUMBER OF MOVEMENTS					
BLOCK 1	89	1		43	0
BLOCK 2	48	0		58	0
BLOCK 3	1	0		22	0
BLOCK 4	4	0		15	0
BLOCK 5	46	0		5	0
BLOCK 6	13	5		10	0
BLOCK 7	2	9		13	0
BLOCK 8	0	1		10	0
BLOCK 9	5	3		3	0
BLOCK 10	27	2		9	0
BLOCK 11	13	0		4	0
BLOCK 12	15	1		16	0
BLOCK 13	1	0		2	0
BLOCK 14	2	0		4	0
BLOCK 15	2	1		28	0
BLOCK 16	0	1		0	0
BLOCK 17	0	0		10	0
BLOCK 18	9	0		16	0
TOTAL	277	24		268	0

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

a. Rat 17958 was found dead on day 12 of study.

b. Rat 17960 was found dead on day 13 of study (during Motor Activity evaluation); values excluded from group averages and statistical analyses.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 22): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 4

RAT NUMBER	17956	17957	17958a	17959	17960b
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	155	0		53	0
BLOCK 2	78	0		89	0
BLOCK 3	0	0		19	0
BLOCK 4	1	0		14	0
BLOCK 5	70	0		2	0
BLOCK 6	15	5		3	0
BLOCK 7	0	7		26	0
BLOCK 8	0	0		10	0
BLOCK 9	2	1		1	0
BLOCK 10	79	1		6	0
BLOCK 11	9	0		3	0
BLOCK 12	17	0		11	0
BLOCK 13	0	0		0	0
BLOCK 14	0	0		1	0
BLOCK 15	0	0		32	0
BLOCK 16	0	0		0	0
BLOCK 17	0	0		8	0
BLOCK 18	6	0		10	0
TOTAL	432	14		288	0

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
a. Rat 17958 was found dead on day 12 of study.
b. Rat 17960 was found dead on day 13 of study (during Motor Activity evaluation); values excluded from group averages and statistical analyses.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 23): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 4		
RAT NUMBER	17961	17962	17963	17964	17965
NUMBER OF MOVEMENTS					
BLOCK 1	55	68	66	59	55
BLOCK 2	62	63	68	58	66
BLOCK 3	80	69	72	71	68
BLOCK 4	70	66	64	80	65
BLOCK 5	80	71	90	67	65
BLOCK 6	73	63	75	60	75
BLOCK 7	85	71	71	65	80
BLOCK 8	67	81	94	59	75
BLOCK 9	77	82	79	70	83
BLOCK 10	64	69	84	72	83
BLOCK 11	88	78	85	66	71
BLOCK 12	84	86	74	71	78
BLOCK 13	77	72	81	78	62
BLOCK 14	82	68	95	65	72
BLOCK 15	74	72	80	70	75
BLOCK 16	83	77	77	72	81
BLOCK 17	77	71	88	76	60
BLOCK 18	85	83	81	63	70
TOTAL	1363	1310	1424	1222	1284

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 24): MOTOR ACTIVITY - INDIVIDUAL DATA - MALE RATS

	DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY		SESSION 4
RAT NUMBER	17961	17962	17963	17964	17965
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	254	231	225	196	259
BLOCK 2	226	222	237	154	247
BLOCK 3	209	208	210	213	216
BLOCK 4	210	190	212	165	233
BLOCK 5	203	183	191	191	235
BLOCK 6	176	192	217	134	211
BLOCK 7	158	167	190	131	226
BLOCK 8	228	202	182	186	223
BLOCK 9	174	172	168	112	212
BLOCK 10	181	181	173	149	165
BLOCK 11	208	163	168	138	187
BLOCK 12	146	175	156	134	176
BLOCK 13	197	162	130	177	229
BLOCK 14	145	117	152	141	142
BLOCK 15	119	112	143	132	210
BLOCK 16	96	164	106	153	179
BLOCK 17	203	106	135	197	99
BLOCK 18	150	176	105	143	214
TOTAL	3283	3123	3100	2846	3663

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 13 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
I 0(VEHICLE)	17951	DS 13	12	ALL TISSUES APPEARED NORMAL.
	17952	DS 14	12	ALL TISSUES APPEARED NORMAL.
	17953	DS 14	12	ALL TISSUES APPEARED NORMAL.
	17954	DS 14	12	ALL TISSUES APPEARED NORMAL.
	17955	DS 14	12	URINARY BLADDER: DISTENDED WITH OPAQUE YELLOW FLUID (APPROXIMATELY 13 ML). ALL OTHER TISSUES APPEARED NORMAL.
II 45(ACRYLAMIDE)	17956	DS 14	10	URINARY BLADDER: DISTENDED WITH TRANSPARENT YELLOW FLUID (APPROXIMATELY 15 ML). ALL OTHER TISSUES APPEARED NORMAL.
	17957	DS 13	10	MORIBUND SACRIFICED ON DAY 13 OF STUDY. URINARY BLADDER: DISTENDED WITH DARK RED VISCOUS FLUID (APPROXIMATELY 20 ML). EXTERNAL OBSERVATIONS: LOWER MIDLINE FUR STAINED WITH DARK RED SUBSTANCE. ALL OTHER TISSUES APPEARED NORMAL.
	17958	DS 12	10	FOUND DEAD ON DAY 12 OF STUDY. EXTERNAL OBSERVATIONS: CHROMODACRYORRHEA AND FLANKS, LOWER MIDLINE AND INGUINAL AREA FUR STAINED WITH RED SUBSTANCE. ALL OTHER TISSUES APPEARED NORMAL FOR THE DEGREE (MODERATE) OF AUTOLYSIS PRESENT.
	17959	DS 14	10	ALL TISSUES APPEARED NORMAL.
	17960	DS 13	10	FOUND DEAD ON DAY 13 OF STUDY. URINARY BLADDER: DISTENDED WITH DARK RED VISCOUS FLUID (APPROXIMATELY 20 ML). ALL OTHER TISSUES APPEARED NORMAL.

DS = DAY OF STUDY
a. Refer to the individual clinical observations table (Table 9) for external observations confirmed at necropsy.

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 14 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
DOSAGE GROUP I		0.9% SALINE	0(VEHICLE) MG/KG/DAY
17951	533.	2.53	0.47
17952	590.	2.66	0.45
17953	510.	2.52	0.49
17954	547.	2.53	0.46
17955	573.	2.46	0.43
DOSAGE GROUP II		ACRYLAMIDE	45 MG/KG/DAY
17956	465.	2.52	0.54
17957a	413.	2.67	0.65
17958	FOUND DEAD ON DAY 12 OF STUDY; BRAIN WEIGHT WAS NOT RECORDED		
17959	458.	2.44	0.53
17960b	475.	2.55	0.54

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Rat 17957 was moribund sacrificed on day 13 of study; values included in group averages and statistical analyses.
b. Rat 17960 was found dead on day 13 of study; values excluded from group averages and statistical analyses.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 14 (PAGE 2): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
DOSAGE GROUP III	d-AMPHETAMINE		0.75 MG/KG/DAY
17961	488.	BRAIN WEIGHT WAS NOT RECORDED	
17962	570.	BRAIN WEIGHT WAS NOT RECORDED	
17963	538.	BRAIN WEIGHT WAS NOT RECORDED	
17964	522.	BRAIN WEIGHT WAS NOT RECORDED	
17965	542.	BRAIN WEIGHT WAS NOT RECORDED	
DOSAGE GROUP IV	MK-801		10 MG/KG/DAY
17966	614.	2.41	0.39
17967	657.	2.72	0.41
17968	542.	2.50	0.46
17969	548.	2.42	0.44
17970	527.	2.41	0.46
DOSAGE GROUP V	TMT		8 MG/KG/DAY
17971	353.	2.22	0.63
17972	652.	2.47	0.38
17973	512.	2.75	0.54
17974	431.	2.47	0.57
17975	419.	2.60	0.62

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
MORIBUND SACRIFICED	0	1a	0	1b	0
PREDOSAGE:					
MAXIMUM POSSIBLE INCIDENCE	10/ 5	10/ 5	15/ 5	25/ 5	25/ 5
CHROMODACRYORRHEA	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0
DOSAGE:					
MAXIMUM POSSIBLE INCIDENCE	69/ 5	69/ 5	40/ 5	24/ 5	40/ 5
CONVULSION: CLONIC	0/ 0	0/ 0	0/ 0	0/ 0	3/ 2
ATAXIA	0/ 0	23/ 5a	0/ 0	15/ 5	2/ 2
HINDLIMBS: SPLAYED AND DRAGGING	0/ 0	6/ 4a	0/ 0	0/ 0	0/ 0
LABORED BREATHING	0/ 0	2/ 2a	0/ 0	0/ 0	0/ 0
HINDLIMBS: SPLAYED	0/ 0	5/ 1	0/ 0	0/ 0	0/ 0
RED-BROWN URINE	0/ 0	1/ 1	0/ 0	0/ 0	0/ 0
IMPAIRED RIGHTING REFLEX	0/ 0	0/ 0	0/ 0	19/ 5	0/ 0
LOST RIGHTING REFLEX	0/ 0	0/ 0	0/ 0	4/ 3b	0/ 0
DECREASED MOTOR ACTIVITY	0/ 0	0/ 0	0/ 0	13/ 5	0/ 0
DECREASED MOTOR ACTIVITY - NO MOVEMENT	0/ 0	0/ 0	0/ 0	10/ 5	0/ 0
STEREOTYPICAL BEHAVIOR: CIRCLING	0/ 0	0/ 0	0/ 0	1/ 1	0/ 0
HYPERREACTIVITY	0/ 0	0/ 0	0/ 0	0/ 0	4/ 3
BODY JERKS	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1

MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 17983 was moribund sacrificed on day 13 of study.
b. Rat 17991 was moribund sacrificed on day 4 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(THT)
MORIBUND SACRIFICED	0	1a	0	1b	0
DOSAGE: (cont.)					
MAXIMUM POSSIBLE INCIDENCE	69/ 5	69/ 5	40/ 5	24/ 5	40/ 5
UNGROOMED COAT	0/ 0	0/ 0	0/ 0	1/ 1	2/ 1
LEFT HINDLIMB: RED SUBSTANCE	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1
URINE-STAINED ABDOMINAL FUR	0/ 0	0/ 0	0/ 0	1/ 1b	1/ 1
LOCALIZED ALOPECIA: TOTAL	0/ 0	13/ 1	0/ 0	0/ 0	1/ 1
LIMBS	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
HEAD	0/ 0	13/ 1	0/ 0	0/ 0	0/ 0
LEFT HINDLIMB: SWOLLEN	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
LEFT HINDLIMB: LESION	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
CHROMORHINORRHEA	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
CHROMODACRYORRHEA	0/ 0	10/ 1	0/ 0	8/ 5	0/ 0
LACRIMATION	0/ 0	0/ 0	0/ 0	5/ 5	0/ 0
EXCESS SALIVATION	0/ 0	0/ 0	0/ 0	5/ 3	0/ 0
COLD TO TOUCH	0/ 0	0/ 0	0/ 0	1/ 1b	0/ 0
BLADDER: EXPRESSED	0/ 0	2/ 2	0/ 0	0/ 0	0/ 0

MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 17983 was moribund sacrificed on day 13 of study.
b. Rat 17991 was moribund sacrificed on day 4 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 2 (PAGE 1): BODY WEIGHTS - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS TESTED	N	5	5	5	5	5
BODY WEIGHT (G)						
PREDOSAGE:						
DAY 1	MEAN±S.D	257.4 ± 14.1	260.0 ± 15.3	256.2 ± 16.9	258.6 ± 17.3	256.6 ± 9.4
DOSAGE:						
DAY 1a	MEAN±S.D.	268.4 ± 18.3	270.8 ± 13.3	266.0 ± 31.6	289.8 ± 23.6	288.4 ± 13.2
DAY 5	MEAN±S.D.	272.2 ± 16.3	250.8 ± 17.6	262.6 ± 30.1	236.8 ± 10.5 [4]b	269.0 ± 22.6
DAY 8	MEAN±S.D.	264.8 ± 14.0	243.6 ± 27.0	268.4 ± 26.9		259.2 ± 22.2
DAY 10	MEAN±S.D.	267.2 ± 21.8	241.6 ± 29.2			
DAY 11	MEAN±S.D.	263.8 ± 21.4	244.0 ± 27.5			
DAY 13	MEAN±S.D.	272.8 ± 20.9	242.6 ± 31.8			
DAY 14	MEAN±S.D.	277.0 ± 22.8 [4]c	254.5 ± 27.6 [4]b			

DAY = DAY PREDOSAGE OR OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rats that were moribund sacrificed.
c. Excludes values for rat 17976, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 3 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS TESTED	N	5	5	5	5	5
BODY WEIGHT CHANGE (G)						
DOSAGE:						
DAYS 1a- 5	MEAN±S.D.	+3.8 ± 5.0	-20.0 ± 8.7	-3.4 ± 3.0	-60.5 ± 12.8 [4]a	-19.4 ± 19.5
DAYS 5 - 8	MEAN±S.D.	-7.4 ± 3.4	-7.2 ± 15.6	+5.8 ± 5.2		-9.8 ± 20.3
DAYS 1a- 8	MEAN±S.D.	-3.6 ± 5.1	-27.2 ± 18.7	+2.4 ± 6.1		-29.2 ± 20.5
DAYS 8 - 10	MEAN±S.D.	+2.4 ± 9.8	-2.0 ± 6.9			
DAYS 1a- 10	MEAN±S.D.	-1.2 ± 9.1	-29.2 ± 21.2			
DAYS 10 - 11	MEAN±S.D.	-3.4 ± 4.2	+2.4 ± 8.3			
DAYS 11 - 13	MEAN±S.D.	+9.0 ± 4.7	-1.4 ± 8.7			
DAYS 1a- 13	MEAN±S.D.	+4.4 ± 7.5	-28.2 ± 24.3			
DAYS 13 - 14	MEAN±S.D.	-1.2 ± 3.9 [4]c	+0.8 ± 8.4 [4]b			
DAYS 1a- 14	MEAN±S.D.	+2.5 ± 12.4 [4]c	-17.2 ± 15.1 [4]b			

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rats that were moribund sacrificed.
c. Excludes values for rat 17976, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 4 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(THT)
RATS TESTED	N	5	5	5	5	5
FEED CONSUMPTION (G/DAY)						
DOSAGE:						
DAYS 1a- 5	MEAN±S.D.	17.5 ± 2.2	8.5 ± 2.6	15.3 ± 1.7	1.0 ± 0.7 [4]b	16.1 ± 5.3
DAYS 5 - 8	MEAN±S.D.	15.3 ± 2.8	8.0 ± 4.6	16.5 ± 1.4		15.3 ± 7.3
DAYS 1a- 8	MEAN±S.D.	16.5 ± 2.5	8.3 ± 2.9	15.7 ± 1.5		15.7 ± 4.8
DAYS 8 - 10	MEAN±S.D.	17.0 ± 3.3	10.4 ± 5.2			
DAYS 1a- 10	MEAN±S.D.	16.7 ± 2.5	8.8 ± 2.8			
DAYS 10 - 11	MEAN±S.D.	15.0 ± 3.1				
DAYS 11 - 13	MEAN±S.D.	16.5 ± 0.9				
DAYS 1a- 13	MEAN±S.D.	16.5 ± 2.1				
DAYS 13 - 14	MEAN±S.D.	16.0 ± 3.4 [4]c				
DAYS 1a- 14	MEAN±S.D.	16.9 ± 2.1 [4]c				

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rat 17991, which was moribund sacrificed on day 4 of study.
c. Excludes values for rat 17976, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 5 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(THT)
RATS TESTED	N	5	5	5	5	5
FEED CONSUMPTION (G/KG/DAY)						
DOSAGE:						
DAYS 1a- 5	MEAN±S.D.	65.4 ± 5.8	32.5 ± 9.3	58.2 ± 5.4	4.0 ± 2.8 [4]b	57.1 ± 17.9
DAYS 5 - 8	MEAN±S.D.	56.7 ± 7.3	31.7 ± 16.1	61.9 ± 4.9		58.3 ± 20.3
DAYS 1a- 8	MEAN±S.D.	61.8 ± 6.3	32.2 ± 9.4	59.6 ± 4.6		57.6 ± 17.8
DAYS 8 - 10	MEAN±S.D.	63.4 ± 8.8	42.2 ± 21.2			
DAYS 1a- 10	MEAN±S.D.	62.2 ± 6.0	34.6 ± 9.3			
DAYS 10 - 11	MEAN±S.D.	56.1 ± 8.1				
DAYS 11 - 13	MEAN±S.D.	61.7 ± 4.6				
DAYS 1a- 13	MEAN±S.D.	61.5 ± 4.4				
DAYS 13 - 14	MEAN±S.D.	57.3 ± 8.5 [4]c				
DAYS 1a- 14	MEAN±S.D.	61.6 ± 5.1 [4]c				

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Day 1 of study for Groups I and II was 10 Apr 96, day 1 of study for Group III was 16 Apr 96, day 1 of study for Group IV was 02 May 96 and day 1 of study for Group V was 30 Apr 96.
b. Excludes values for rat 17991, which was moribund sacrificed on day 4 of study.
c. Excludes values for rat 17976, which was sacrificed on day 13 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 1): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
PREDOSAGE				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	65.2 ± 12.0	75.4 ± 7.9	71.4 ± 10.9
BLOCK 2	MEAN ± S.D.	72.4 ± 11.0	77.0 ± 7.4	70.0 ± 6.7
BLOCK 3	MEAN ± S.D.	70.4 ± 10.6	73.8 ± 10.4	66.0 ± 10.1
BLOCK 4	MEAN ± S.D.	71.8 ± 12.5	77.2 ± 5.6	70.0 ± 13.8
BLOCK 5	MEAN ± S.D.	70.8 ± 17.0	73.8 ± 8.7	72.6 ± 12.0
BLOCK 6	MEAN ± S.D.	69.2 ± 6.2	68.4 ± 12.7	69.8 ± 17.6
BLOCK 7	MEAN ± S.D.	68.0 ± 6.4	79.6 ± 8.8	53.8 ± 30.0
BLOCK 8	MEAN ± S.D.	61.8 ± 30.2	67.8 ± 16.2	50.6 ± 31.0
BLOCK 9	MEAN ± S.D.	50.6 ± 28.7	64.8 ± 24.0	50.2 ± 31.8
BLOCK 10	MEAN ± S.D.	54.4 ± 30.6	58.4 ± 17.8	35.0 ± 28.2
BLOCK 11	MEAN ± S.D.	49.8 ± 32.1	66.8 ± 19.1	54.4 ± 30.5
BLOCK 12	MEAN ± S.D.	56.6 ± 20.2	56.4 ± 15.8	49.0 ± 29.5
BLOCK 13	MEAN ± S.D.	57.8 ± 16.0	39.8 ± 29.0	32.6 ± 21.2
BLOCK 14	MEAN ± S.D.	45.0 ± 36.0	44.8 ± 38.0	26.0 ± 21.8
BLOCK 15	MEAN ± S.D.	30.0 ± 28.4	38.2 ± 34.9	11.4 ± 18.9
BLOCK 16	MEAN ± S.D.	27.4 ± 24.4	29.2 ± 38.3	9.8 ± 9.7
BLOCK 17	MEAN ± S.D.	12.8 ± 12.6	20.6 ± 35.3	13.6 ± 20.2
BLOCK 18	MEAN ± S.D.	9.0 ± 17.4	14.8 ± 27.0	20.0 ± 31.3
TOTAL	MEAN ± S.D.	943.0 ± 163.9	1026.8 ± 271.2	826.2 ± 209.9

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 2): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP			I	II	III
DOSAGE (MG/KG/DAY)			0(VEHICLE)	45(ACRYLAMIDE)	0.75(d-AMPHETAMINE)
PREDOSAGE					
NUMBER OF RATS	N		5	5	5
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	MEAN ± S.D.		226.8 ± 16.0	216.2 ± 12.2	203.4 ± 23.1
BLOCK 2	MEAN ± S.D.		191.2 ± 14.0	177.6 ± 33.2	185.0 ± 30.2
BLOCK 3	MEAN ± S.D.		186.2 ± 19.4	195.2 ± 32.3	160.8 ± 32.4
BLOCK 4	MEAN ± S.D.		162.8 ± 24.5	154.6 ± 32.3	145.8 ± 63.7
BLOCK 5	MEAN ± S.D.		178.4 ± 25.4	162.0 ± 35.4	138.4 ± 29.7
BLOCK 6	MEAN ± S.D.		136.4 ± 32.7	126.4 ± 39.9	109.8 ± 18.6
BLOCK 7	MEAN ± S.D.		120.8 ± 31.5	120.6 ± 20.4	95.8 ± 56.6
BLOCK 8	MEAN ± S.D.		108.4 ± 61.5	100.6 ± 36.4	75.2 ± 57.7
BLOCK 9	MEAN ± S.D.		89.4 ± 65.8	98.4 ± 48.9	74.2 ± 46.3
BLOCK 10	MEAN ± S.D.		100.0 ± 66.9	91.8 ± 54.7	69.0 ± 72.5
BLOCK 11	MEAN ± S.D.		84.4 ± 70.0	105.8 ± 75.6	78.6 ± 48.4
BLOCK 12	MEAN ± S.D.		74.4 ± 57.6	78.2 ± 58.9	64.2 ± 46.1
BLOCK 13	MEAN ± S.D.		108.2 ± 26.5	47.0 ± 44.8	34.8 ± 32.3
BLOCK 14	MEAN ± S.D.		46.4 ± 38.6	57.2 ± 53.8	29.2 ± 31.2
BLOCK 15	MEAN ± S.D.		70.6 ± 80.7	48.6 ± 46.4	19.4 ± 39.0
BLOCK 16	MEAN ± S.D.		32.4 ± 35.9	32.2 ± 51.9	6.4 ± 8.0
BLOCK 17	MEAN ± S.D.		7.8 ± 9.3	18.4 ± 37.8	18.0 ± 32.1
BLOCK 18	MEAN ± S.D.		6.4 ± 13.2	10.0 ± 21.2	34.8 ± 62.9
TOTAL	MEAN ± S.D.		1931.0 ± 437.6	1840.8 ± 477.6	1542.8 ± 410.2

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-02

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 3): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 2				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	67.6 ± 6.1	71.4 ± 12.6	59.2 ± 5.0
BLOCK 2	MEAN ± S.D.	74.8 ± 12.4	75.2 ± 10.0	60.2 ± 9.4
BLOCK 3	MEAN ± S.D.	73.8 ± 11.4	55.6 ± 34.4	67.2 ± 12.4
BLOCK 4	MEAN ± S.D.	56.6 ± 14.2	14.4 ± 20.6**	70.2 ± 13.2
BLOCK 5	MEAN ± S.D.	52.8 ± 29.3	15.0 ± 9.3*	68.2 ± 10.4
BLOCK 6	MEAN ± S.D.	58.4 ± 10.0	16.0 ± 18.7**	62.6 ± 15.1
BLOCK 7	MEAN ± S.D.	56.0 ± 14.8	9.0 ± 9.0**	75.2 ± 18.0
BLOCK 8	MEAN ± S.D.	40.4 ± 28.9	12.6 ± 14.0	63.4 ± 12.7
BLOCK 9	MEAN ± S.D.	24.8 ± 30.0	20.8 ± 34.3	67.8 ± 13.5
BLOCK 10	MEAN ± S.D.	13.0 ± 20.8	15.4 ± 17.5	68.0 ± 15.8**
BLOCK 11	MEAN ± S.D.	18.4 ± 21.7	6.8 ± 3.3	67.0 ± 13.6**
BLOCK 12	MEAN ± S.D.	36.6 ± 28.5	18.0 ± 17.6	65.4 ± 8.0
BLOCK 13	MEAN ± S.D.	37.2 ± 14.1	26.6 ± 21.1	74.4 ± 13.9**
BLOCK 14	MEAN ± S.D.	34.6 ± 25.2	40.4 ± 42.1	70.0 ± 13.7
BLOCK 15	MEAN ± S.D.	23.2 ± 30.3	20.2 ± 19.3	61.2 ± 13.2*
BLOCK 16	MEAN ± S.D.	19.6 ± 31.8	8.8 ± 8.2	69.8 ± 8.9**
BLOCK 17	MEAN ± S.D.	3.4 ± 3.1	9.8 ± 10.0	66.8 ± 10.0**
BLOCK 18	MEAN ± S.D.	16.0 ± 31.4	16.2 ± 16.7	69.4 ± 9.2**
TOTAL	MEAN ± S.D.	707.2 ± 122.1	452.2 ± 167.8*	1206.0 ± 173.7**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value ($P \leq 0.05$).
** Significantly different from the vehicle control group value ($P \leq 0.01$).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 4): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0(VEHICLE)	45(ACRYLAMIDE)	0.75(d-AMPHETAMINE)
SESSION 2				
NUMBER OF RATS	N	5	5	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	207.6 ± 18.5	131.8 ± 50.0**	250.8 ± 6.0
BLOCK 2	MEAN ± S.D.	168.8 ± 27.0	106.2 ± 45.5*	243.2 ± 26.0**
BLOCK 3	MEAN ± S.D.	138.6 ± 23.9	67.4 ± 45.6**	231.8 ± 24.4**
BLOCK 4	MEAN ± S.D.	134.4 ± 48.6	11.2 ± 15.2**	222.6 ± 35.8**
BLOCK 5	MEAN ± S.D.	81.8 ± 50.9	14.2 ± 13.3*	233.8 ± 20.6**
BLOCK 6	MEAN ± S.D.	84.4 ± 24.5	12.6 ± 19.6**	218.8 ± 43.8**
BLOCK 7	MEAN ± S.D.	82.8 ± 39.1	3.8 ± 5.9**	210.6 ± 36.0**
BLOCK 8	MEAN ± S.D.	60.6 ± 52.0	13.0 ± 15.1	214.2 ± 38.8**
BLOCK 9	MEAN ± S.D.	22.6 ± 24.0	22.8 ± 43.2	211.8 ± 40.3**
BLOCK 10	MEAN ± S.D.	7.0 ± 12.9	11.0 ± 16.0	201.8 ± 50.3**
BLOCK 11	MEAN ± S.D.	16.2 ± 23.3	4.0 ± 3.4	189.6 ± 45.4**
BLOCK 12	MEAN ± S.D.	48.6 ± 45.9	16.2 ± 19.6	155.2 ± 62.8**
BLOCK 13	MEAN ± S.D.	47.6 ± 30.9	19.8 ± 21.5	163.6 ± 48.3**
BLOCK 14	MEAN ± S.D.	46.6 ± 41.8	49.8 ± 61.6	194.8 ± 47.3**
BLOCK 15	MEAN ± S.D.	30.0 ± 44.3	19.0 ± 26.4	170.2 ± 46.9**
BLOCK 16	MEAN ± S.D.	13.6 ± 24.9	3.8 ± 4.3	157.0 ± 52.6**
BLOCK 17	MEAN ± S.D.	1.0 ± 0.7	5.8 ± 6.4	157.8 ± 55.4**
BLOCK 18	MEAN ± S.D.	14.2 ± 29.5	11.4 ± 16.0	157.8 ± 56.8**
TOTAL	MEAN ± S.D.	1206.4 ± 265.4	523.8 ± 277.3*	3585.4 ± 633.6**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value (P≤0.05).
** Significantly different from the vehicle control group value (P≤0.01).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 5): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 3				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	59.4 ± 12.9	63.2 ± 25.2	57.6 ± 9.1
BLOCK 2	MEAN ± S.D.	63.4 ± 10.3	22.8 ± 23.5**	62.0 ± 6.2
BLOCK 3	MEAN ± S.D.	67.6 ± 11.6	7.0 ± 9.2**	69.0 ± 13.4
BLOCK 4	MEAN ± S.D.	62.4 ± 7.3	8.0 ± 13.0**	69.8 ± 13.0
BLOCK 5	MEAN ± S.D.	60.4 ± 5.9	6.0 ± 9.6**	71.4 ± 12.0
BLOCK 6	MEAN ± S.D.	34.8 ± 26.0	6.2 ± 5.9	65.8 ± 18.2*
BLOCK 7	MEAN ± S.D.	46.6 ± 12.0	11.6 ± 11.1**	69.4 ± 9.6*
BLOCK 8	MEAN ± S.D.	40.4 ± 25.7	12.0 ± 11.6	71.8 ± 17.1*
BLOCK 9	MEAN ± S.D.	36.8 ± 33.6	4.0 ± 3.1	67.8 ± 13.4
BLOCK 10	MEAN ± S.D.	22.8 ± 31.9	4.4 ± 5.4	69.8 ± 15.2**
BLOCK 11	MEAN ± S.D.	24.8 ± 34.1	4.2 ± 2.6	74.0 ± 9.4**
BLOCK 12	MEAN ± S.D.	11.6 ± 13.5	15.0 ± 10.4	63.6 ± 10.0**
BLOCK 13	MEAN ± S.D.	16.2 ± 16.0	4.0 ± 2.6	70.4 ± 9.9**
BLOCK 14	MEAN ± S.D.	2.2 ± 2.5	12.0 ± 18.8	66.0 ± 18.0**
BLOCK 15	MEAN ± S.D.	1.2 ± 1.3	4.0 ± 3.8	55.8 ± 29.6**
BLOCK 16	MEAN ± S.D.	0.2 ± 0.4	8.0 ± 8.3	51.4 ± 31.1**
BLOCK 17	MEAN ± S.D.	4.0 ± 2.9	9.4 ± 8.7	46.8 ± 30.0**
BLOCK 18	MEAN ± S.D.	2.0 ± 1.9	19.0 ± 8.7	51.0 ± 29.8**
TOTAL	MEAN ± S.D.	556.8 ± 106.5	220.8 ± 99.9**	1153.4 ± 76.9**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value ($P \leq 0.05$).
** Significantly different from the vehicle control group value ($P \leq 0.01$).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 6): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	45 (ACRYLAMIDE)	0.75 (d-AMPHETAMINE)
SESSION 3				
NUMBER OF RATS	N	5	5	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	220.0 ± 14.7	99.6 ± 76.6**	253.8 ± 10.4
BLOCK 2	MEAN ± S.D.	194.0 ± 30.8	21.0 ± 30.7**	243.0 ± 15.9*
BLOCK 3	MEAN ± S.D.	146.4 ± 34.6	3.6 ± 5.9**	234.8 ± 17.8**
BLOCK 4	MEAN ± S.D.	113.2 ± 37.3	12.4 ± 27.2**	224.4 ± 29.9**
BLOCK 5	MEAN ± S.D.	86.4 ± 42.2	8.0 ± 15.7**	206.0 ± 31.6**
BLOCK 6	MEAN ± S.D.	40.4 ± 40.8	3.4 ± 3.5	219.0 ± 32.9**
BLOCK 7	MEAN ± S.D.	67.0 ± 41.3	8.0 ± 6.2*	191.6 ± 42.7**
BLOCK 8	MEAN ± S.D.	49.8 ± 30.7	9.8 ± 15.3	206.4 ± 40.4**
BLOCK 9	MEAN ± S.D.	43.0 ± 46.3	1.8 ± 2.0	186.6 ± 43.8**
BLOCK 10	MEAN ± S.D.	24.0 ± 31.8	2.2 ± 3.5	180.6 ± 41.1**
BLOCK 11	MEAN ± S.D.	25.8 ± 37.0	2.2 ± 2.5	175.0 ± 47.9**
BLOCK 12	MEAN ± S.D.	7.2 ± 9.2	11.6 ± 10.3	177.4 ± 38.1**
BLOCK 13	MEAN ± S.D.	10.8 ± 11.6	1.6 ± 1.8	150.6 ± 54.3**
BLOCK 14	MEAN ± S.D.	1.8 ± 3.0	15.4 ± 29.5	155.2 ± 65.6**
BLOCK 15	MEAN ± S.D.	0.6 ± 1.3	2.4 ± 2.5	133.6 ± 80.1**
BLOCK 16	MEAN ± S.D.	0.0 ± 0.0	4.6 ± 4.8	112.6 ± 74.2**
BLOCK 17	MEAN ± S.D.	2.0 ± 1.9	8.6 ± 10.3	93.0 ± 78.3*
BLOCK 18	MEAN ± S.D.	0.6 ± 0.9	12.4 ± 7.1	109.6 ± 78.8**
TOTAL	MEAN ± S.D.	1033.0 ± 237.3	228.6 ± 209.0*	3253.2 ± 708.8**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value ($P \leq 0.05$).
** Significantly different from the vehicle control group value ($P \leq 0.01$).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 7): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0(VEHICLE)	45(ACRYLAMIDE)	0.75(d-AMPHETAMINE)
SESSION 4				
NUMBER OF RATS	N	5	5	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	70.8 ± 4.4	45.4 ± 35.8**	56.4 ± 9.2
BLOCK 2	MEAN ± S.D.	67.8 ± 7.4	31.4 ± 16.8**	65.0 ± 6.4*
BLOCK 3	MEAN ± S.D.	64.6 ± 13.6	5.4 ± 4.9**	65.6 ± 16.7*
BLOCK 4	MEAN ± S.D.	55.6 ± 19.2	8.4 ± 12.2**	59.8 ± 14.0**
BLOCK 5	MEAN ± S.D.	54.6 ± 23.5	12.6 ± 18.1*	63.0 ± 20.9**
BLOCK 6	MEAN ± S.D.	51.4 ± 30.4	1.6 ± 1.8**	59.6 ± 14.1**
BLOCK 7	MEAN ± S.D.	34.2 ± 41.1	14.6 ± 16.6	68.4 ± 12.9**
BLOCK 8	MEAN ± S.D.	26.8 ± 34.5	9.0 ± 10.3	67.0 ± 11.4**
BLOCK 9	MEAN ± S.D.	29.4 ± 34.1	8.4 ± 9.9	67.6 ± 15.7**
BLOCK 10	MEAN ± S.D.	29.8 ± 29.6	3.6 ± 2.5	69.6 ± 11.4**
BLOCK 11	MEAN ± S.D.	36.2 ± 34.5	15.6 ± 14.2	65.2 ± 16.1*
BLOCK 12	MEAN ± S.D.	25.6 ± 31.5	15.0 ± 25.3	67.2 ± 14.8**
BLOCK 13	MEAN ± S.D.	25.2 ± 32.8	4.4 ± 4.8	68.0 ± 17.4**
BLOCK 14	MEAN ± S.D.	21.4 ± 23.0	2.2 ± 3.8	70.4 ± 11.3**
BLOCK 15	MEAN ± S.D.	26.2 ± 35.9	7.2 ± 9.0	67.8 ± 9.3**
BLOCK 16	MEAN ± S.D.	20.2 ± 16.3	5.2 ± 5.3	68.8 ± 8.0**
BLOCK 17	MEAN ± S.D.	19.8 ± 20.8	6.6 ± 4.0	73.2 ± 12.1**
BLOCK 18	MEAN ± S.D.	21.2 ± 25.5	16.6 ± 21.6	63.8 ± 14.3**
TOTAL	MEAN ± S.D.	680.8 ± 247.5	213.2 ± 70.0*	1186.4 ± 170.9**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value ($P \leq 0.05$).
** Significantly different from the vehicle control group value ($P \leq 0.01$).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 8): MOTOR ACTIVITY - SUMMARY - FEMALE RATS

DOSAGE GROUP			I	II	III
DOSAGE (MG/KG/DAY)			0(VEHICLE)	45(ACRYLAMIDE)	0.75(d-AMPHETAMINE)
SESSION 4					
NUMBER OF RATS	N		5	5	5
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	MEAN ± S.D.		195.0 ± 21.4	73.4 ± 73.3	260.2 ± 11.9
BLOCK 2	MEAN ± S.D.		187.8 ± 28.0	31.4 ± 25.7**	235.6 ± 18.8
BLOCK 3	MEAN ± S.D.		147.2 ± 62.6	2.6 ± 4.7**	222.0 ± 30.6
BLOCK 4	MEAN ± S.D.		95.2 ± 45.0	5.8 ± 9.8**	240.8 ± 30.6
BLOCK 5	MEAN ± S.D.		73.8 ± 38.2	8.6 ± 14.4*	218.4 ± 42.3
BLOCK 6	MEAN ± S.D.		63.8 ± 37.0	0.8 ± 1.3**	239.0 ± 24.6
BLOCK 7	MEAN ± S.D.		48.6 ± 66.1	9.6 ± 11.4	199.2 ± 59.5
BLOCK 8	MEAN ± S.D.		39.0 ± 53.6	4.2 ± 5.4	204.4 ± 41.4*
BLOCK 9	MEAN ± S.D.		50.4 ± 68.0	5.0 ± 8.0	190.6 ± 38.0*
BLOCK 10	MEAN ± S.D.		47.6 ± 68.4	1.0 ± 1.0	169.4 ± 61.5**
BLOCK 11	MEAN ± S.D.		67.0 ± 85.0	10.8 ± 11.3	181.2 ± 52.1
BLOCK 12	MEAN ± S.D.		27.2 ± 35.3	16.4 ± 33.9	166.8 ± 39.1*
BLOCK 13	MEAN ± S.D.		20.8 ± 26.7	2.8 ± 3.6	184.0 ± 50.8*
BLOCK 14	MEAN ± S.D.		24.0 ± 28.3	0.8 ± 1.8	172.4 ± 62.8**
BLOCK 15	MEAN ± S.D.		24.2 ± 40.6	4.2 ± 5.8	169.2 ± 50.4*
BLOCK 16	MEAN ± S.D.		19.4 ± 19.6	4.2 ± 5.5	164.8 ± 37.3**
BLOCK 17	MEAN ± S.D.		28.8 ± 35.3	4.6 ± 3.4	177.8 ± 46.4**
BLOCK 18	MEAN ± S.D.		19.4 ± 26.6	14.4 ± 19.7	135.2 ± 74.9*
TOTAL	MEAN ± S.D.		1179.2 ± 490.9	200.6 ± 117.7**	3531.0 ± 679.6**

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.
* Significantly different from the vehicle control group value (P≤0.05).
** Significantly different from the vehicle control group value (P≤0.01).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 7 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 8(TMT)
RATS EXAMINED a	N	5	5	5	5	5
MORIBUND SACRIFICED	N	0	1b	0	1c	0
APPEARED NORMAL	N	5	2b	5	5c	5
URINARY BLADDER: DISTENDED WITH FLUID, TRANSPARENT OR OPAQUE YELLOW FLUID	N	0	3	0	0	0

a. Refer to the individual clinical observations table (Table 9) for external observations confirmed at necropsy.
b. Rat 17983 was moribund sacrificed on day 13 of study.
c. Rat 17991 was moribund sacrificed on day 4 of study.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 6 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0(VEHICLE)	II 45(ACRYLAMIDE)	III 0.75(d-AMPHETAMINE)	IV 10(MK-801)	V 6(TMT)
RATS TESTED	N	5	5	5	5	5
INCLUDED IN ANALYSES	N	5	5	a	5	5
TERMINAL BODY WEIGHT	MEAN±S.D.	271.8 ± 23.0	243.2 ± 34.8		233.4 ± 11.8	259.2 ± 22.2
BRAIN	MEAN±S.D.	2.25 ± 0.04	2.21 ± 0.06		2.30 ± 0.07	2.18 ± 0.06
BRAIN (%TBW)	MEAN±S.D.	0.832 ± 0.078	0.930 ± 0.156		0.984 ± 0.047	0.846 ± 0.062

REL. % TBW = (BRAIN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Excludes values that were not recorded.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - FEMALE RATS

RAT #		DESCRIPTION	
DOSAGE GROUP I		0.9% SALINE	0(VEHICLE) MG/KG/DAY
17976		NO ADVERSE FINDINGS	
17977		NO ADVERSE FINDINGS	
17978		NO ADVERSE FINDINGS	
17979		NO ADVERSE FINDINGS	
17980		NO ADVERSE FINDINGS	
DOSAGE GROUP II		ACRYLAMIDE	45 MG/KG/DAY
17981	DS(9- 12)	ATAXIA	
	DS(13- 14)	HINDLIMBS: SPLAYED AND DRAGGING	
17982	DS(9- 12)	ATAXIA	
	DS(10)	LABORED BREATHING	
	DS(10)	RED-BROWN URINE	
	DS(12)	BLADDER: EXPRESSED	
	DS(13- 14)	HINDLIMBS: SPLAYED AND DRAGGING	
17983	DS(9- 12)	ATAXIA	
	DS(10)	LABORED BREATHING	
	DS(13)	HINDLIMBS: SPLAYED AND DRAGGING	
	DS(13)	MORIBUND SACRIFICED	
17984	DS(9- 14)	ATAXIA	
17985	DP(8)	CHROMODACRYORRHEA	
	DS(1- 10)	CHROMODACRYORRHEA	
	DS(1- 13)	LOCALIZED ALOPECIA: HEAD	
	DS(14)	ALOPECIA NO LONGER APPARENT	
	DS(9- 13)	ATAXIA	
	DS(9- 13)	HINDLIMBS: SPLAYED	
	DS(12)	BLADDER: EXPRESSED	
	DS(14)	HINDLIMBS: SPLAYED AND DRAGGING	
DOSAGE GROUP III		d-AMPHETAMINE	0.75 MG/KG/DAY
17986		NO ADVERSE FINDINGS	
17987		NO ADVERSE FINDINGS	
17988		NO ADVERSE FINDINGS	
17989		NO ADVERSE FINDINGS	
17990		NO ADVERSE FINDINGS	

DP = DAY PREDOSAGE DS = DAY OF STUDY

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - FEMALE RATS

RAT #			DESCRIPTION	
DOSAGE GROUP IV			MK-801	10 MG/KG/DAY
17991	DS(	1)	ATAXIA	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	LOST RIGHTING REFLEX	
	DS(	1- 4)	IMPAIRED RIGHTING REFLEX	
	DS(	2)	LACRIMATION	
	DS(	2)	COLD TO TOUCH	
	DS(	2- 4)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	4)	CHROMODACRYORRHEA a	
	DS(	4)	URINE-STAINED ABDOMINAL FUR a	
	DS(	4)	MORIBUND SACRIFICED	
17992	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1)	LOST RIGHTING REFLEX	
	DS(	1- 2)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	1- 4)	IMPAIRED RIGHTING REFLEX	
	DS(	2)	LACRIMATION	
	DS(	3- 4)	DECREASED MOTOR ACTIVITY	
	DS(	3- 5)	ATAXIA	
	DS(	4- 5)	CHROMODACRYORRHEA a	
17993	DS(	1)	ATAXIA	
	DS(	1)	DECREASED MOTOR ACTIVITY	
	DS(	1- 2)	DECREASED MOTOR ACTIVITY - NO MOVEMENT	
	DS(	1- 4)	IMPAIRED RIGHTING REFLEX	
	DS(	2)	LACRIMATION	
	DS(	2)	EXCESS SALIVATION	
	DS(	3- 4)	ATAXIA	
	DS(	3- 4)	DECREASED MOTOR ACTIVITY	
	DS(	4)	CHROMODACRYORRHEA	
	DS(	5)	UNGROOMED COAT	

DP = DAY PREDOSAGE DS = DAY OF STUDY

a. Observation confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - FEMALE RATS

RAT #		DESCRIPTION
DOSAGE GROUP IV		MK-801 10 MG/KG/DAY
17994	DS(1)	ATAXIA
	DS(1)	DECREASED MOTOR ACTIVITY
	DS(1)	IMPAIRED RIGHTING REFLEX
	DS(1)	DECREASED MOTOR ACTIVITY - NO MOVEMENT
	DS(1- 2)	LOST RIGHTING REFLEX
	DS(1- 2)	EXCESS SALIVATION
	DS(2)	LACRIMATION
	DS(3- 4)	DECREASED MOTOR ACTIVITY
	DS(3- 4)	IMPAIRED RIGHTING REFLEX
	DS(3- 5)	ATAXIA
	DS(4)	STEREOTYPICAL BEHAVIOR: CIRCLING
	DS(4- 5)	CHROMODACRYORRHEA a
17995	DS(1)	ATAXIA
	DS(1)	DECREASED MOTOR ACTIVITY
	DS(1- 2)	DECREASED MOTOR ACTIVITY - NO MOVEMENT
	DS(1- 2)	EXCESS SALIVATION
	DS(1- 4)	IMPAIRED RIGHTING REFLEX
	DS(2)	LACRIMATION
	DS(3- 4)	DECREASED MOTOR ACTIVITY
	DS(3- 5)	ATAXIA
	DS(4- 5)	CHROMODACRYORRHEA a

DP = DAY PREDOSAGE DS = DAY OF STUDY

a. Observation confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 9 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - FEMALE RATS

RAT #		DESCRIPTION
DOSAGE GROUP V		TMT 8 MG/KG/DAY
17996	DS(1)	ATAXIA
	DS(5- 6)	CONVULSION: CLONIC
	DS(6)	BODY JERKS
	DS(8)	HYPERREACTIVITY
	DS(8)	CHROMORHINORRHEA a
	DS(8)	URINE-STAINED ABDOMINAL FUR a
17997		NO ADVERSE FINDINGS
17998	DS(7- 8)	HYPERREACTIVITY
	DS(7- 8)	UNGROOMED COAT a
	DS(7- 8)	LEFT HINDLIMB: RED SUBSTANCE a
	DS(8)	LEFT HINDLIMB: LESION (4.0 CM IN DIAMETER)a
	DS(8)	LEFT HINDLIMB: SWOLLEN a
	DS(8)	LOCALIZED ALOPECIA: LIMBS a
17999	DS(1)	ATAXIA
	DS(6)	CONVULSION: CLONIC
	DS(8)	HYPERREACTIVITY
18000		NO ADVERSE FINDINGS

DP = DAY PREDOSAGE DS = DAY OF STUDY

a. Observation confirmed at necropsy.

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - FEMALE RATS

PREDOSAGE:

DAY	1	8	16	23	30	
RAT #	DOSAGE GROUP I			0.9% SALINE		0(VEHICLE) MG/KG/DAY
17976	245.	240.				
17977	276.	280.				
17978	259.	260.				
17979	265.	273.				
17980	242.	250.				
RAT #	DOSAGE GROUP II			ACRYLAMIDE		45 MG/KG/DAY
17981	254.	251.				
17982	281.	286.				
17983	246.	258.				
17984	248.	250.				
17985	271.	263.				
RAT #	DOSAGE GROUP III			d-AMPHETAMINE		0.75 MG/KG/DAY
17986	234.	214.	226.			
17987	272.	275.	294.			
17988	259.	252.	267.			
17989	244.	259.	260.			
17990	272.	268.	277.			
RAT #	DOSAGE GROUP IV			MK-801		10 MG/KG/DAY
17991	237.	235.	242.	244.	256.	
17992	284.	284.	297.	286.	291.	
17993	251.	248.	255.	269.	280.	
17994	264.	268.	290.	293.	308.	
17995	257.	255.	266.	271.	278.	
RAT #	DOSAGE GROUP V			TNT		8 MG/KG/DAY
17996	259.	263.	276.	275.	290.	
17997	268.	276.	273.	270.	276.	
17998	255.	256.	267.	277.	284.	
17999	259.	266.	274.	292.	299.	
18000	242.	246.	245.	250.	259.	

DAY = DAY OF PREDOSAGE
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - FEMALE RATS

DOSAGE:

	DAY 1	2	3	4	5	6	7	8	9	10	11	12	13
RAT #	DOSAGE GROUP I			0.9% SALINE			0(VEHICLE) MG/KG/DAY						
17976	244.	245.	243.	246.	251.	244.	240.	245.	245.	244.	237.	246.	251.
17977	284.	279.	271.	278.	284.	278.	273.	274.	279.	280.	273.	285.	287.
17978	265.	268.	266.	264.	276.	272.	271.	266.	272.	274.	270.	269.	276.
17979	289.	288.	286.	281.	290.	295.	294.	281.	289.	293.	291.	289.	298.
17980	260.	251.	257.	258.	260.	252.	256.	258.	251.	245.	248.	254.	252.

	DAY 14
17976	
17977	287.
17978	278.
17979	298.
17980	245.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - FEMALE RATS

DOSAGE:

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
RAT #	DOSAGE GROUP II			ACRYLAMIDE			45 MG/KG/DAY						
17981	266.	265.	259.	251.	259.	249.	248.	249.	241.	241.	239.	236.	236.
17982	292.	290.	274.	273.	272.	277.	282.	271.	270.	274.	284.	278.	286.
17983	267.	257.	247.	245.	244.	233.	224.	214.	212.	204.	212.	205.	198.
17984	256.	244.	231.	226.	225.	217.	215.	217.	220.	223.	229.	236.	239.
17985	273.	280.	268.	260.	254.	254.	255.	267.	266.	266.	256.	257.	254.

DAY	14
17981	229.
17982	288.
17983	MORIBUND SACRIFICED ON DAY 13 OF STUDY
17984	235.
17985	266.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 10 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - FEMALE RATS

DOSAGE:								
DAY	1	2	3	4	5	6	7	8
RAT #	DOSAGE GROUP III			d-AMPHETAMINE			0.75 MG/KG/DAY	
17986	216.	219.	220.	221.	215.	223.	226.	225.
17987	300.	298.	292.	290.	293.	296.	301.	297.
17988	270.	262.	257.	266.	264.	266.	266.	268.
17989	261.	256.	264.	263.	258.	269.	275.	270.
17990	283.	275.	271.	283.	283.	277.	282.	282.
RAT #	DOSAGE GROUP IV			MK-801			10 MG/KG/DAY	
17991	260.	250.	235.	220.	MORIBUND SACRIFICED ON DAY 4 OF STUDY			
17992	305.	284.	266.	242.	233.			
17993	282.	253.	235.	231.	237.			
17994	321.	288.	272.	260.	251.			
17995	281.	256.	238.	228.	226.			
RAT #	DOSAGE GROUP V			THT			8 MG/KG/DAY	
17996	293.	299.	285.	261.	245.	235.	244.	231.
17997	284.	270.	264.	260.	258.	260.	258.	272.
17998	291.	296.	292.	290.	296.	286.	275.	255.
17999	305.	305.	312.	307.	290.	280.	279.	289.
18000	269.	266.	260.	259.	256.	246.	255.	249.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 11 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - FEMALE RATS

DOSAGE:

DAYS	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13	13 - 14
RAT #	DOSAGE GROUP I			0.9% SALINE			0(VEHICLE) MG/KG/DAY						
17976	17.	15.	14.	17.	14.	13.	11.	15.	15.	11.	16.	16.	
17977	19.	12.	15.	18.	15.	14.	13.	18.	18.	14.	19.	17.	15.
17978	21.	18.	14.	20.	16.	18.	12.	18.	19.	17.	16.	15.	17.
17979	24.	23.	16.	21.	24.	20.	16.	22.	20.	19.	17.	16.	20.
17980	13.	17.	18.	18.	11.	16.	16.	13.	12.	14.	18.	15.	12.
RAT #	DOSAGE GROUP II			ACRYLAMIDE			45 MG/KG/DAY						
17981	15.	11.	7.	13.	6.	7.	9.	9.	10.				
17982	13.	5.	7.	9.	18.	11.	10.	8.	15.				
17983	13.	6.	7.	6.	4.	2.	1.	2.	2.				
17984	8.	2.	3.	5.	2.	5.	9.	14.	15.				
17985	18.	8.	7.	7.	10.	13.	14.	14.	15.				

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 11 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - FEMALE RATS

DOSAGE:							
	DAYS 1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8
RAT #	DOSAGE GROUP III			d-AMPHETAMINE			0.75 MG/KG/DAY
17986	11.	15.	16.	11.	17.	14.	15.
17987	16.	16.	14.	16.	21.	21.	13.
17988	11.	12.	17.	15.	17.	13.	14.
17989	14.	21.	17.	15.	19.	16.	16.
17990	14.	14.	21.	19.	18.	15.	18.
RAT #	DOSAGE GROUP IV			MK-801			10 MG/KG/DAY
17991	0.	0.	0.	MORIBUND SACRIFICED ON DAY 4 OF STUDY			
17992	3.	0.	0.	0.			
17993	0.	0.	0.	7.			
17994	1.	0.	0.	0.			
17995	1.	0.	0.	4.			
RAT #	DOSAGE GROUP V			TMT			8 MG/KG/DAY
17996	20.	11.	1.	0.	1.	19.	0.
17997	10.	11.	16.	18.	23.	16.	32.
17998	24.	17.	19.	27.	25.	3.	0.
17999	23.	25.	17.	10.	9.	15.	24.
18000	17.	18.	19.	18.	19.	25.	19.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 1): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP I	0.9% SALINE		0(VEHICLE) MG/KG/DAY		PREDOSAGE
RAT NUMBER	17976	17977	17978	17979	17980	
NUMBER OF MOVEMENTS						
BLOCK 1	76	59	80	53	58	
BLOCK 2	90	65	76	68	63	
BLOCK 3	78	62	84	69	59	
BLOCK 4	73	61	92	62	71	
BLOCK 5	96	59	81	58	60	
BLOCK 6	69	79	65	63	70	
BLOCK 7	66	68	63	79	64	
BLOCK 8	10	87	79	67	66	
BLOCK 9	1	74	61	53	64	
BLOCK 10	1	78	65	69	59	
BLOCK 11	0	60	75	77	37	
BLOCK 12	43	28	69	75	68	
BLOCK 13	69	68	66	55	31	
BLOCK 14	71	13	79	62	0	
BLOCK 15	42	0	46	62	0	
BLOCK 16	50	2	39	46	0	
BLOCK 17	21	1	13	29	0	
BLOCK 18	0	3	40	2	0	
TOTAL	856	867	1173	1049	770	

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 2): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP I	0.9% SALINE		0(VEHICLE) MG/KG/DAY	PREDOSAGE
RAT NUMBER	17976	17977	17978	17979	17980
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	220	223	221	255	215
BLOCK 2	169	198	197	205	187
BLOCK 3	175	220	172	180	184
BLOCK 4	127	186	149	181	171
BLOCK 5	162	183	144	206	197
BLOCK 6	91	181	125	145	140
BLOCK 7	79	143	102	158	122
BLOCK 8	6	149	113	111	163
BLOCK 9	0	164	68	144	71
BLOCK 10	0	147	75	171	107
BLOCK 11	0	54	115	186	67
BLOCK 12	39	13	78	165	77
BLOCK 13	128	99	111	135	68
BLOCK 14	87	12	76	57	0
BLOCK 15	64	0	94	195	0
BLOCK 16	35	0	40	87	0
BLOCK 17	14	0	4	21	0
BLOCK 18	0	1	30	1	0
TOTAL	1396	1973	1914	2603	1769

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 3): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY		PREDOSAGE
RAT NUMBER	17981	17982	17983	17984	17985
NUMBER OF MOVEMENTS					
BLOCK 1	81	76	64	72	84
BLOCK 2	85	70	74	71	85
BLOCK 3	91	73	63	69	73
BLOCK 4	84	78	71	72	81
BLOCK 5	84	76	60	76	73
BLOCK 6	81	49	73	63	76
BLOCK 7	83	92	69	74	80
BLOCK 8	79	69	68	41	82
BLOCK 9	67	80	74	23	80
BLOCK 10	78	36	71	44	63
BLOCK 11	89	38	74	60	73
BLOCK 12	68	30	69	55	60
BLOCK 13	53	1	74	20	51
BLOCK 14	84	9	59	0	72
BLOCK 15	70	0	66	1	54
BLOCK 16	92	0	17	0	37
BLOCK 17	83	2	1	14	3
BLOCK 18	63	1	5	4	1
TOTAL	1415	780	1052	759	1128

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 4): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY		PREDOSAGE
RAT NUMBER	17981	17982	17983	17984	17985
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	217	203	236	211	214
BLOCK 2	139	219	204	157	169
BLOCK 3	154	199	204	178	241
BLOCK 4	125	200	148	126	174
BLOCK 5	139	169	200	114	188
BLOCK 6	137	114	145	65	171
BLOCK 7	116	118	122	95	152
BLOCK 8	147	83	99	52	122
BLOCK 9	96	90	135	23	148
BLOCK 10	151	26	142	52	88
BLOCK 11	154	20	209	59	87
BLOCK 12	99	18	170	55	49
BLOCK 13	60	0	114	13	48
BLOCK 14	98	3	68	0	117
BLOCK 15	103	0	66	0	74
BLOCK 16	123	0	12	0	26
BLOCK 17	86	0	1	4	1
BLOCK 18	48	0	1	1	0
TOTAL	2192	1462	2276	1205	2069

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 5): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY		PREDOSAGE
RAT NUMBER	17986	17987	17988	17989	17990
NUMBER OF MOVEMENTS					
BLOCK 1	87	57	67	73	73
BLOCK 2	69	61	70	80	70
BLOCK 3	70	49	67	76	68
BLOCK 4	84	47	70	75	74
BLOCK 5	64	60	82	88	69
BLOCK 6	71	41	82	69	86
BLOCK 7	5	51	75	57	81
BLOCK 8	1	59	74	42	77
BLOCK 9	0	52	72	45	82
BLOCK 10	0	51	70	14	40
BLOCK 11	5	57	71	53	86
BLOCK 12	11	33	69	46	86
BLOCK 13	0	24	40	54	45
BLOCK 14	0	27	34	57	12
BLOCK 15	0	44	0	12	1
BLOCK 16	0	25	9	12	3
BLOCK 17	0	45	0	23	0
BLOCK 18	0	27	0	72	1
TOTAL	467	810	952	948	954

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 6): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY		PREDOSAGE
RAT NUMBER	17986	17987	17988	17989	17990
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	176	206	229	184	222
BLOCK 2	162	154	219	175	215
BLOCK 3	154	171	208	119	152
BLOCK 4	147	54	205	118	205
BLOCK 5	103	165	173	130	121
BLOCK 6	117	102	138	89	103
BLOCK 7	3	147	124	84	121
BLOCK 8	0	115	146	43	72
BLOCK 9	0	104	116	61	90
BLOCK 10	0	167	120	8	50
BLOCK 11	6	79	111	65	132
BLOCK 12	6	43	78	63	131
BLOCK 13	0	31	30	88	25
BLOCK 14	0	32	32	78	4
BLOCK 15	0	89	0	7	1
BLOCK 16	0	20	6	5	1
BLOCK 17	0	74	0	16	0
BLOCK 18	0	29	0	145	0
TOTAL	874	1782	1935	1478	1645

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 7): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 2		
RAT NUMBER	17976	17977	17978	17979	17980
NUMBER OF MOVEMENTS					
BLOCK 1	69	74	71	58	66
BLOCK 2	95	70	78	65	66
BLOCK 3	90	71	80	67	61
BLOCK 4	71	59	63	33	57
BLOCK 5	4	67	81	60	52
BLOCK 6	68	46	67	61	50
BLOCK 7	58	41	74	41	66
BLOCK 8	54	1	68	19	60
BLOCK 9	66	0	47	1	10
BLOCK 10	5	2	50	7	1
BLOCK 11	5	2	45	39	1
BLOCK 12	14	1	43	69	56
BLOCK 13	15	42	32	48	49
BLOCK 14	5	57	32	16	63
BLOCK 15	2	43	0	4	67
BLOCK 16	0	7	12	3	76
BLOCK 17	0	2	5	2	8
BLOCK 18	72	0	6	2	0
TOTAL	693	585	854	595	809

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 8): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 2		
RAT NUMBER	17976	17977	17978	17979	17980
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	205	207	179	228	219
BLOCK 2	162	144	154	170	214
BLOCK 3	140	174	115	118	146
BLOCK 4	128	139	134	67	204
BLOCK 5	0	123	78	82	126
BLOCK 6	59	67	77	101	118
BLOCK 7	74	35	134	62	109
BLOCK 8	84	0	81	14	124
BLOCK 9	51	0	44	0	18
BLOCK 10	2	1	30	2	0
BLOCK 11	1	0	28	52	0
BLOCK 12	12	0	43	111	77
BLOCK 13	10	51	23	83	71
BLOCK 14	2	100	30	20	81
BLOCK 15	0	44	0	4	102
BLOCK 16	0	3	6	1	58
BLOCK 17	0	1	1	1	2
BLOCK 18	67	0	3	1	0
TOTAL	997	1089	1160	1117	1669

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-050: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 9): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 2		
RAT NUMBER	17981	17982	17983	17984	17985
NUMBER OF MOVEMENTS					
BLOCK 1	83	53	66	83	72
BLOCK 2	77	65	90	67	77
BLOCK 3	91	53	43	6	85
BLOCK 4	18	0	1	4	49
BLOCK 5	22	0	22	19	12
BLOCK 6	48	5	11	15	1
BLOCK 7	1	10	24	6	4
BLOCK 8	4	3	18	35	3
BLOCK 9	82	6	9	6	1
BLOCK 10	44	1	19	10	3
BLOCK 11	6	4	8	12	4
BLOCK 12	7	1	23	46	13
BLOCK 13	50	16	47	19	1
BLOCK 14	96	18	75	8	5
BLOCK 15	54	5	16	13	13
BLOCK 16	5	0	18	17	4
BLOCK 17	4	8	26	11	0
BLOCK 18	2	13	17	44	5
TOTAL	694	261	533	421	352

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 10): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 2		
RAT NUMBER	17981	17982	17983	17984	17985
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	144	76	207	133	99
BLOCK 2	149	68	161	66	87
BLOCK 3	122	56	60	2	97
BLOCK 4	18	0	0	3	35
BLOCK 5	34	0	20	11	6
BLOCK 6	47	1	6	9	0
BLOCK 7	0	4	14	1	0
BLOCK 8	4	0	24	34	3
BLOCK 9	100	6	5	2	1
BLOCK 10	38	0	13	3	1
BLOCK 11	3	3	2	10	2
BLOCK 12	3	0	28	45	5
BLOCK 13	42	10	14	3	0
BLOCK 14	123	11	111	2	2
BLOCK 15	66	4	9	5	11
BLOCK 16	1	0	9	8	1
BLOCK 17	1	7	16	5	0
BLOCK 18	0	7	10	39	1
TOTAL	895	253	739	381	351

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 11): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 2		
RAT NUMBER	17986	17987	17988	17989	17990
NUMBER OF MOVEMENTS					
BLOCK 1	63	63	61	51	58
BLOCK 2	57	48	65	58	73
BLOCK 3	61	57	61	69	88
BLOCK 4	87	66	61	56	81
BLOCK 5	66	62	75	56	82
BLOCK 6	60	58	52	54	89
BLOCK 7	76	65	75	56	104
BLOCK 8	72	48	73	51	73
BLOCK 9	82	50	67	60	80
BLOCK 10	72	59	59	56	94
BLOCK 11	81	62	61	50	81
BLOCK 12	67	56	77	60	67
BLOCK 13	67	63	69	75	98
BLOCK 14	72	63	63	59	93
BLOCK 15	71	51	56	49	79
BLOCK 16	85	63	69	64	68
BLOCK 17	81	56	62	62	73
BLOCK 18	80	56	73	65	73
TOTAL	1300	1046	1179	1051	1454

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 12): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 2		
RAT NUMBER	17986	17987	17988	17989	17990
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	254	244	245	258	253
BLOCK 2	267	244	208	269	228
BLOCK 3	259	213	217	258	212
BLOCK 4	214	235	166	261	237
BLOCK 5	232	246	212	262	217
BLOCK 6	220	248	157	270	199
BLOCK 7	208	217	205	262	161
BLOCK 8	192	235	164	265	215
BLOCK 9	163	249	194	258	195
BLOCK 10	208	221	134	269	177
BLOCK 11	179	225	167	245	132
BLOCK 12	132	205	153	222	64
BLOCK 13	140	189	140	235	114
BLOCK 14	160	243	201	236	134
BLOCK 15	151	204	152	231	113
BLOCK 16	146	197	165	204	73
BLOCK 17	138	163	171	235	82
BLOCK 18	152	195	136	227	79
TOTAL	3415	3973	3187	4467	2885

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 13): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

	DOSAGE GROUP I	0.9% SALINE		0(VEHICLE) MG/KG/DAY	SESSION 3
RAT NUMBER	17976	17977	17978	17979	17980
NUMBER OF MOVEMENTS					
BLOCK 1	70	49	76	55	47
BLOCK 2	69	63	77	50	58
BLOCK 3	67	54	86	64	67
BLOCK 4	72	63	53	58	66
BLOCK 5	52	66	58	60	66
BLOCK 6	6	68	33	53	14
BLOCK 7	40	42	33	56	62
BLOCK 8	46	70	0	36	50
BLOCK 9	57	2	0	52	73
BLOCK 10	34	0	6	0	74
BLOCK 11	73	1	0	1	49
BLOCK 12	20	6	1	0	31
BLOCK 13	12	0	4	27	38
BLOCK 14	3	2	0	6	0
BLOCK 15	0	3	0	1	2
BLOCK 16	0	0	0	1	0
BLOCK 17	4	8	0	5	3
BLOCK 18	1	1	4	4	0
TOTAL	626	498	431	529	700

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 14): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 3		
RAT NUMBER	17976	17977	17978	17979	17980
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	213	211	213	246	217
BLOCK 2	153	221	169	212	215
BLOCK 3	94	153	136	187	162
BLOCK 4	98	139	56	124	149
BLOCK 5	60	146	40	111	75
BLOCK 6	3	101	22	63	13
BLOCK 7	28	54	45	73	135
BLOCK 8	56	73	0	44	76
BLOCK 9	67	1	0	38	109
BLOCK 10	52	0	3	0	65
BLOCK 11	80	0	0	0	49
BLOCK 12	10	4	0	0	22
BLOCK 13	6	0	3	17	28
BLOCK 14	1	1	0	7	0
BLOCK 15	0	3	0	0	0
BLOCK 16	0	0	0	0	0
BLOCK 17	2	5	0	2	1
BLOCK 18	0	0	2	1	0
TOTAL	923	1112	689	1125	1316

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 15): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 3		
RAT NUMBER	17981	17982	17983	17984	17985
NUMBER OF MOVEMENTS					
BLOCK 1	54	27	89	61	85
BLOCK 2	4	20	58	0	32
BLOCK 3	22	4	9	0	0
BLOCK 4	2	0	31	2	5
BLOCK 5	4	0	23	1	2
BLOCK 6	5	0	4	16	6
BLOCK 7	9	31	7	3	8
BLOCK 8	6	12	32	4	6
BLOCK 9	4	2	4	1	9
BLOCK 10	8	2	12	0	0
BLOCK 11	2	6	7	1	5
BLOCK 12	11	2	28	23	11
BLOCK 13	5	0	7	5	3
BLOCK 14	9	0	45	6	0
BLOCK 15	0	2	7	9	2
BLOCK 16	7	22	7	0	4
BLOCK 17	11	15	20	0	1
BLOCK 18	16	20	6	24	29
TOTAL	179	165	396	156	208

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 16): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 3		
RAT NUMBER	17981	17982	17983	17984	17985
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	58	11	217	104	108
BLOCK 2	2	8	74	0	21
BLOCK 3	14	1	3	0	0
BLOCK 4	1	0	61	0	0
BLOCK 5	3	0	36	1	0
BLOCK 6	4	0	3	9	1
BLOCK 7	5	17	11	1	6
BLOCK 8	6	2	37	3	1
BLOCK 9	2	0	2	0	5
BLOCK 10	3	0	8	0	0
BLOCK 11	0	2	3	0	6
BLOCK 12	8	0	26	18	6
BLOCK 13	1	0	3	4	0
BLOCK 14	4	0	68	5	0
BLOCK 15	0	1	4	6	1
BLOCK 16	4	10	9	0	0
BLOCK 17	14	5	24	0	0
BLOCK 18	20	5	5	18	14
TOTAL	149	62	594	169	169

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 17): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 3		
RAT NUMBER	17986	17987	17988	17989	17990
NUMBER OF MOVEMENTS					
BLOCK 1	54	49	55	57	73
BLOCK 2	59	59	68	55	69
BLOCK 3	80	49	70	64	82
BLOCK 4	79	53	82	59	76
BLOCK 5	82	68	66	56	85
BLOCK 6	49	62	80	49	89
BLOCK 7	67	64	73	59	84
BLOCK 8	90	65	60	54	90
BLOCK 9	73	59	61	57	89
BLOCK 10	69	59	54	74	93
BLOCK 11	90	66	73	72	69
BLOCK 12	80	61	54	65	58
BLOCK 13	64	66	61	76	85
BLOCK 14	81	61	61	86	41
BLOCK 15	83	63	64	64	5
BLOCK 16	62	42	70	81	2
BLOCK 17	36	59	62	77	0
BLOCK 18	54	57	68	76	0
TOTAL	1252	1062	1182	1181	1090

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 18): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 3		
RAT NUMBER	17986	17987	17988	17989	17990
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	270	247	244	258	250
BLOCK 2	262	228	230	258	237
BLOCK 3	216	257	220	249	232
BLOCK 4	214	253	203	259	193
BLOCK 5	166	216	203	252	193
BLOCK 6	212	233	183	268	199
BLOCK 7	157	240	156	236	169
BLOCK 8	177	240	166	258	191
BLOCK 9	184	212	138	246	153
BLOCK 10	133	219	171	227	153
BLOCK 11	184	212	153	222	104
BLOCK 12	189	185	153	230	130
BLOCK 13	138	151	150	233	81
BLOCK 14	162	196	160	213	45
BLOCK 15	149	154	145	219	1
BLOCK 16	72	155	161	174	1
BLOCK 17	29	121	121	194	0
BLOCK 18	59	154	139	196	0
TOTAL	2973	3673	3096	4192	2332

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 19): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 4		
RAT NUMBER	17976	17977	17978	17979	17980
NUMBER OF MOVEMENTS					
BLOCK 1	78	71	70	66	69
BLOCK 2	73	70	76	60	60
BLOCK 3	75	69	41	66	72
BLOCK 4	81	57	27	58	55
BLOCK 5	85	57	25	39	67
BLOCK 6	81	47	2	58	69
BLOCK 7	11	90	0	4	66
BLOCK 8	1	68	0	4	61
BLOCK 9	9	70	0	5	63
BLOCK 10	45	74	8	19	3
BLOCK 11	11	72	12	76	10
BLOCK 12	0	59	6	61	2
BLOCK 13	1	69	4	52	0
BLOCK 14	3	43	0	49	12
BLOCK 15	0	4	3	41	83
BLOCK 16	30	2	6	22	41
BLOCK 17	41	12	0	3	43
BLOCK 18	47	4	4	0	51
TOTAL	672	938	284	683	827

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 20): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP I	0.9% SALINE	0(VEHICLE) MG/KG/DAY	SESSION 4		
RAT NUMBER	17976	17977	17978	17979	17980
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	175	198	171	217	214
BLOCK 2	165	209	161	225	179
BLOCK 3	142	207	44	161	182
BLOCK 4	136	92	24	92	132
BLOCK 5	92	118	18	56	85
BLOCK 6	91	70	1	66	91
BLOCK 7	4	141	0	1	97
BLOCK 8	0	91	0	0	104
BLOCK 9	2	135	0	1	114
BLOCK 10	53	164	3	18	0
BLOCK 11	7	118	9	193	8
BLOCK 12	0	59	5	72	0
BLOCK 13	0	51	4	49	0
BLOCK 14	1	50	0	59	10
BLOCK 15	0	1	0	26	94
BLOCK 16	20	0	7	19	51
BLOCK 17	62	10	0	0	72
BLOCK 18	35	2	1	0	59
TOTAL	985	1716	448	1255	1492

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 21): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 4		
RAT NUMBER	17981	17982	17983	17984	17985
NUMBER OF MOVEMENTS					
BLOCK 1	12	68	70	76	1
BLOCK 2	34	49	31	39	4
BLOCK 3	5	2	14	3	3
BLOCK 4	10	0	0	29	3
BLOCK 5	9	1	44	9	0
BLOCK 6	0	4	1	3	0
BLOCK 7	4	40	23	3	3
BLOCK 8	23	17	2	1	2
BLOCK 9	25	1	4	2	10
BLOCK 10	0	3	4	7	4
BLOCK 11	20	1	35	2	20
BLOCK 12	0	6	6	60	3
BLOCK 13	2	2	12	6	0
BLOCK 14	1	0	0	1	9
BLOCK 15	2	18	16	0	0
BLOCK 16	1	1	14	5	5
BLOCK 17	2	4	9	12	6
BLOCK 18	47	1	3	0	32
TOTAL	197	218	288	258	105

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 22): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	ACRYLAMIDE	45 MG/KG/DAY	SESSION 4		
RAT NUMBER	17981	17982	17983	17984	17985
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	6	68	126	167	0
BLOCK 2	19	53	21	63	1
BLOCK 3	0	0	11	1	1
BLOCK 4	4	0	0	23	2
BLOCK 5	4	0	34	5	0
BLOCK 6	0	3	1	0	0
BLOCK 7	3	23	21	1	0
BLOCK 8	11	9	1	0	0
BLOCK 9	19	0	1	1	4
BLOCK 10	0	0	2	1	2
BLOCK 11	13	0	27	0	14
BLOCK 12	0	2	3	77	0
BLOCK 13	0	1	8	5	0
BLOCK 14	0	0	0	0	4
BLOCK 15	0	11	10	0	0
BLOCK 16	0	0	13	2	6
BLOCK 17	0	4	8	8	3
BLOCK 18	37	0	0	0	35
TOTAL	116	174	287	354	72

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 23): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 4		
RAT NUMBER	17986	17987	17988	17989	17990
NUMBER OF MOVEMENTS					
BLOCK 1	62	44	56	68	52
BLOCK 2	56	62	66	68	73
BLOCK 3	68	47	63	58	92
BLOCK 4	64	47	56	50	82
BLOCK 5	54	38	73	57	93
BLOCK 6	59	55	45	56	83
BLOCK 7	58	69	57	69	89
BLOCK 8	68	59	64	58	86
BLOCK 9	70	58	46	80	84
BLOCK 10	66	57	62	84	79
BLOCK 11	63	51	50	74	88
BLOCK 12	69	52	52	80	83
BLOCK 13	72	51	51	74	92
BLOCK 14	82	57	63	68	82
BLOCK 15	64	62	58	80	75
BLOCK 16	78	65	59	66	76
BLOCK 17	80	59	62	78	87
BLOCK 18	55	68	80	72	44
TOTAL	1188	1001	1063	1240	1440

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 12 (PAGE 24): MOTOR ACTIVITY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	d-AMPHETAMINE	0.75 MG/KG/DAY	SESSION 4		
RAT NUMBER	17986	17987	17988	17989	17990
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	251	267	271	244	268
BLOCK 2	203	246	236	248	245
BLOCK 3	177	246	222	254	211
BLOCK 4	194	263	259	263	225
BLOCK 5	165	265	198	258	206
BLOCK 6	225	241	264	260	205
BLOCK 7	128	244	221	259	144
BLOCK 8	147	226	214	254	181
BLOCK 9	145	243	206	195	164
BLOCK 10	109	240	206	191	101
BLOCK 11	129	249	191	208	129
BLOCK 12	155	178	209	186	106
BLOCK 13	162	238	185	224	111
BLOCK 14	126	216	222	213	85
BLOCK 15	146	185	217	205	93
BLOCK 16	142	180	216	168	118
BLOCK 17	174	208	219	187	101
BLOCK 18	81	189	165	208	33
TOTAL	2859	4124	3921	4025	2726

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 13 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
I 0(VEHICLE)	17976	DS 13	12	ALL TISSUES APPEARED NORMAL.
	17977	DS 14	12	ALL TISSUES APPEARED NORMAL.
	17978	DS 14	12	ALL TISSUES APPEARED NORMAL.
	17979	DS 14	12	ALL TISSUES APPEARED NORMAL.
	17980	DS 14	12	ALL TISSUES APPEARED NORMAL.
II 45(ACRYLAMIDE)	17981	DS 14	10	URINARY BLADDER: DISTENDED WITH FLUID (APPROXIMATELY 2 ML). ALL OTHER TISSUES APPEARED NORMAL.
	17982	DS 14	10	URINARY BLADDER: DISTENDED WITH OPAQUE YELLOW FLUID (APPROXIMATELY 3 ML). ALL OTHER TISSUES APPEARED NORMAL.
	17983	DS 13	10	MORIBUND SACRIFICED ON DAY 13 OF STUDY. ALL TISSUES APPEARED NORMAL.
	17984	DS 14	10	ALL TISSUES APPEARED NORMAL.
	17985	DS 14	10	URINARY BLADDER: DISTENDED WITH TRANSPARENT YELLOW FLUID (APPROXIMATELY 12 ML). ALL OTHER TISSUES APPEARED NORMAL.

DS = DAY OF STUDY
a. Refer to the individual clinical observations table (Table 9) for external observations confirmed at necropsy.

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 13 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
III 0.75(d-AMPHETAMINE)	17986	DS 8	4	ALL TISSUES APPEARED NORMAL.
	17987	DS 8	4	ALL TISSUES APPEARED NORMAL.
	17988	DS 8	4	ALL TISSUES APPEARED NORMAL.
	17989	DS 8	4	ALL TISSUES APPEARED NORMAL.
	17990	DS 8	4	ALL TISSUES APPEARED NORMAL.
IV 10(MK-801)	17991	DS 4	1	MORIBUND SACRIFICED ON DAY 4 OF STUDY. ALL OTHER TISSUES APPEARED NORMAL.
	17992	DS 5	1	ALL TISSUES APPEARED NORMAL.
	17993	DS 5	1	ALL TISSUES APPEARED NORMAL.
	17994	DS 5	1	ALL TISSUES APPEARED NORMAL.
	17995	DS 5	1	ALL TISSUES APPEARED NORMAL.
V 8(TMT)	17996	DS 8	1	ALL TISSUES APPEARED NORMAL.
	17997	DS 8	1	ALL TISSUES APPEARED NORMAL.
	17998	DS 8	1	ALL TISSUES APPEARED NORMAL.
	17999	DS 8	1	ALL TISSUES APPEARED NORMAL.
	18000	DS 8	1	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY
a. Refer to the individual clinical observations table (Table 9) for external observations confirmed at necropsy.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 14 (PAGE 1): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
DOSAGE GROUP I		0.9% SALINE	0(VEHICLE) MG/KG/DAY
17976	251.	2.25	0.90
17977	287.	2.26	0.79
17978	278.	2.29	0.82
17979	298.	2.18	0.73
17980	245.	2.25	0.92
DOSAGE GROUP II		ACRYLAMIDE	45 MG/KG/DAY
17981	229.	2.28	1.00
17982	288.	2.15	0.75
17983a	198.	2.27	1.15
17984	235.	2.19	0.93
17985	266.	2.17	0.82

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Rat 17983 was moribund sacrificed on day 13 of study; values included in group averages and statistical analyses.

ARGUS 1613-002

PROTOCOL 012-058: NEUROTOXICITY EVALUATION OF POSITIVE CONTROL SUBSTANCES IN Crl:CD®BR VAF/Plus® RATS

TABLE 14 (PAGE 2): TERMINAL BODY WEIGHTS AND BRAIN WEIGHTS AND RATIOS (%) OF BRAIN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - FEMALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN ABS. WT.	BRAIN REL. % TBW
DOSAGE GROUP III		d-AMPHETAMINE	0.75 MG/KG/DAY
17986	225.	BRAIN WEIGHT WAS NOT RECORDED	
17987	297.	BRAIN WEIGHT WAS NOT RECORDED	
17988	268.	BRAIN WEIGHT WAS NOT RECORDED	
17989	270.	BRAIN WEIGHT WAS NOT RECORDED	
17990	282.	BRAIN WEIGHT WAS NOT RECORDED	
DOSAGE GROUP IV		MK-801	10 MG/KG/DAY
17991a	220.	2.31	1.05
17992	233.	2.36	1.01
17993	237.	2.31	0.97
17994	251.	2.34	0.93
17995	226.	2.18	0.96
DOSAGE GROUP V		TMT	8 MG/KG/DAY
17996	231.	2.14	0.93
17997	272.	2.12	0.78
17998	255.	2.20	0.86
17999	289.	2.28	0.79
18000	249.	2.17	0.87

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Rat 17991 was moribund sacrificed on day 4 of study; values included in group averages and statistical analyses.

ARGUS 1613-002

APPENDIX M

SERUM THYROID TSH, T_3 AND T_4 HORMONE ANALYSIS

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINSITERED IN DRINKING WATER TO RATS PROTOCOL 1613-002

SERUM HORMONE (TSH, T_3, T_4) REPORT

SUBMITTED TO:

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Introduction

Ammonium perchlorate is an oxidizer that has been used as a component of solid rocket fuel. Perchlorate, the dissociated ion of ammonium perchlorate, has recently been recognized as a persistent and pervasive contaminant of water supplies in a number of major metropolitan areas. Current efforts at assessing the health risks of perchlorate have been hampered by a lack of relevant toxicity data and by a lack of understanding of the potential toxic mechanism of action. Perchlorate is known to disrupt thyroid hormone homeostasis in a number of species via an inhibition of iodine uptake into the thyroid gland. Assessment of thyroid hormone (T_3 and T_4) and thyroid stimulating hormone (TSH) levels in circulating blood is the most sensitive endpoint for the effect of perchlorate on an organism. Caldwell *et al.* (1996) measured T_3,T_4 and TSH hormone levels in male and female rats after 14 days of exposure to ammonium perchlorate in drinking water. The values for T_3 and T_4 in both male and female Sprague-Dawley rats decreased while the concentration of TSH increased after 14 days. Thyroid organ weights were not measured but histopathology of the thyroid revealed hypertrophy of follicular cells at the highest concentration levels. One objective of the Neurobehavioral Developmental Study was to examine thyroid hormone (T_3 and T_4) and TSH levels to assess if thyroid changes were occurring in dams exposed to AP during gestation.

Methods

Compliance Statement: The analyses in the report entitled "Serum Hormone (TSH,T_3,T_4) Report" were conducted to be in compliance with the Environmental Protection Agency's Good Laboratory Practices Standards, 40 CFR 792.

Sample Collection: Serum samples from control and perchlorate treated female rats were received from Argus Research Laboratories, Inc, Horsham, PA. Ammonium perchlorate was administered orally in drinking water to groups of 25 female rats for a period of 31days (day 0 to lactational day 10). The target doses were 0 (control), 0.1, 1.0, 3.0, or 10.0 mg/Kg/day. The female rats were culled from the original 25 rats per group down to 20 dams per group. Culled dams that were pregnant and lactating are shown in Table 1. Culled rats that were not pregnant are shown in Table 2. Serum samples were collected after 31 days. Samples were kept frozen at -80^0 C prior to analysis for serum thyroid hormones.

Hormone Analysis: The following serum thyroid hormone levels were determined in control and perchlorate exposed rats: thyroxine (T_4), triiodothyronine (T_3), and thyroid - stimulating hormone (TSH). Assays for T_4,T_3, and TSH were performed using radioimmunoassay (RIA) kits according to manufacturer's standard procedures. Samples and standards were run in triplicate. Assay kits from the same batch number and with the same expiration date were used for all thyroid hormone or TSH measurements for each animal. Tracer (^{125}I) radioactivity was measured with a gamma counter (Packard Instrument Co., Meriden, CT). Sources of the RIA kits and antiserum/antibody were: 1) T_3 RIA assay kits were purchased from Diagnostic Product Corp. (Los Angeles, CA) and canine T_3 antibody coated tubes were used; 2) T_4 RIA assay kits were purchased from Diagnostic Product Corp. (Los Angeles, CA) and T_4 antibody coated tubes were used; 3) TSH RIA assay kits were purchased from Amersham Corp. (Arlington Heights, IL) and lyophilized rabbit anti-rat TSH serum and Amerlex-M second antibody (donkey anti-rabbit serum coated onto magnetized polymer particles containing sodium azide) were both used.

Statistical Analysis: Results were analyzed using a one-way analysis of variance with Bonferroni multiple comparisons (Rosner, 1990). Group 3 (1.0 mg/Kg/day) was not included in the analysis of hormone data (Table 1) as there was only one dam in the group. Data from non-pregnant rats was not analyzed (Table 2) as there was not a sufficient number of rats per group.

Results

Serum TSH was statistically elevated for the 0.1, 3.0 and 10 mg/Kg/day groups (Table 1). The percent increase from the control values was 35.5, 79.7, and 78.7%, respectively. The levels for the 3.0 and 10 mg/Kg/day groups were essentially identical indicating a lack of dose-response. The single value at 1.0 mg/Kg/day was 70.5% above the control mean. Serum T_3 values were all statistically greater than the control (Table 1). The percent increase from control values was 46.8, 40.5, and 97.5%, respectively. The single value at 1.0 mg/Kg/day was 45.6% above the control mean. Serum T_4 values were greater than the control level with the 0.1 and 10 mg/Kg/day groups being statistically significant (Table 1). The statistically different values were 86.9 and 37% greater than the control value, respectively, while the 3.0 mg/Kg/day group was 33.4 % greater. The single value at 1.0 mg/Kg/day was 133.8% above the control mean.

Table 2 shows values for non-pregnant rats treated with perchlorate for 31 days. The results show a increase in all hormones similar to the dams in Table 1.

Discussion

TSH, released from the pituitary gland, is the major regulator of thyroid function and structure (Larsen and Ingbar, 1992). An increase in TSH levels in the blood results in an increase in the release of T_4 from the thyroid gland. Iodine deficiency leads to a decrease in T_4 production, an increase in thyroid releasing hormone (TRH) from the hypothalamus and an increase in TSH from the pituitary. The initial step in the production of T_4 is the uptake of iodine from plasma by thyroid follicular cells. Perchlorate is one of a number of anions that competitively inhibits iodine transport into the thyroid producing an effect similar to dietary iodine deficiency (Capen, 1997). This ability was the basis for the use of perchlorate salts medicinally for the control of hyperthyroidism. Due to cases of agranulocytosis and aplastic anemia (with fatalities), perchlorates are no longer used medicinally in the United States (Larsen and Ingbar, 1992). Although perchlorate salts were used pharmacologically, a subchronic or chronic dose-response study was never conducted to examine the long-term effects of perchlorate anion on the thyroid.

The control values seen in this study were lower than the control values for TSH, T_3 and T_4 for Caldwell (1996) and for the 14 and 90-day time points in a 90-day study (Narayanan and Mattie, 1998). However, at the time of blood sampling the female dams were lactating and were 10 days postpartum. Pregnancy affects virtually all aspects of thyroid hormone economy (Larsen and Ingbar, 1992).

Data from non-pregnant rats were not analyzed statistically due to the lack of non-pregnant control rat values and less than three data points for Groups 2, 4 and 5.

Serum values for TSH increased which indicates an effect on the thyroid by AP. Serum levels for T_3 and T_4 increased instead of decreasing as seen in previous studies (Caldwell et al.,1996; Narayanan and Mattie, 1998). The changes for T_3 and T_4 were not consistent with a dose-response. Additional studies are necessary to examine the effects of AP on hormone levels in dams, fetuses and pups.

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QUALITY ASSURANCE

The study, "A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered in Drinking Water to Rats, Argus Protocol 1613-002, Serum Hormone (T_3, T_4, TSH)," was conducted by the ManTech Geo-Centers Joint Venture to be in compliance with the Environmental Protection Agency's Good Laboratory Practices Standards, 40 CFR 792.

The items below were inspected by members of the Quality Assurance Unit. Results of the inspections were reported directly to the Investigator and Study Director at the close of each inspection.

DATE OF INSPECTION	ITEM INSPECTED
April 16,17, 1998	Hormone data
April 20, 1998	Draft investigator report.

The Quality Assurance Unit has determined through review process that this report accurately describes those methods and standard operating procedures required by the protocol and that the reported results accurately reflect the raw data obtained during the course of the study. No discrepancies were found that would alter the interpretations presented in this Final Report.

M. G. Schneider
QA Coordinator

Date April 20, 1998

TABLE 1

VALUES[a] OF SERUM THYROID HORMONES FOR FEMALE DAMS ON LACTATION DAY 10, FOLLOWING TREATMENT WITH PERCHLORATE FOR 31 DAYS.

Parameter	Sex	Control	Group 2 (0.1 mg/Kg/day)	Group 3* (1.0 mg/Kg/day)	Group 4 (3.0 mg/Kg/day)	Group 5 (10 mg/Kg/day)
		n = 3	n = 3	n = 1	n = 3	n = 5
TSH(ng/mL)	F	4.98 ± 0.30	6.75[c] ± 0.26	8.49	8.95[d] ± 0.14	8.90[d] ± 0.69
T_3 (ng/dL)	F	79 ± 2.18	116[b] ± 9.55	115	111[b] ± 10.4	156[d] ± 14.6
T_4 (ug/dL)	F	3.05 ± 0.09	5.70[d] ± 0.44	7.13	4.07 ± 0.46	4.18[b] ± 0.33

[a]Mean ± SD.
[b]Significantly different from control, $p<0.05$
[c]Significantly different from control, $p<0.01$
[d]Significantly different from control, $p<0.001$
* This value was not used in statistical analysis.

TABLE 2

VALUES* OF SERUM THYROID HORMONES FOR NON -PREGNANT FEMALE RATS TREATED WITH PERCHLORATE FOR 31 DAYS.

Animal Number	Dose Group	TSH (ng/mL)	T_3 (ng/dL)	T_4 (ug/dL)
19515	Group2 (0.1 mg/Kg/day)	14.98	167	5.86
19516	Group2 (0.1 mg/Kg/day)	14.27	167	5.61
19509	Group3 (1 mg/Kg/day)	16.90	168	7.80
19510	Group3 (1 mg/Kg/day)	13.49	178	7.89
19518	Group3 (1 mg/Kg/day)	15.10	139	9.50
19507	Group4 (3.0 mg/Kg/day)	10.46	170	9.87
19517	Group4 (3.0 mg/Kg/day)	9.60	184	8.90

ARGUS 1613-002

APPENDIX N

THYROID HISTOPATHOLOGY - Fo GENERATION FEMALE RATS

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A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

SUBMITTED TO:

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SUBMITTED BY:

W Ray Brown June 29, 1998

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Veterinary Pathologist

June 29, 1998

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

TABLE OF CONTENTS

Page

REPORT

Method 1

Results 3

Summary 4

Quality Assurance Unit Statement 5

TABLES

1. Incidence and Degree of Severity of Histomorphologic Observations in the Thyroid Gland – All Animals on Study 6
2. Incidence and Degree of Severity of Histomorphologic Observations in the Thyroid Gland – All Animals Dosed to Postpartum Day 10 and Terminated on Postpartum Day 22 (12 Days of Recovery) 7
3. Incidence and Degree of Severity of Histomorphologic Observations in the Thyroid Gland – All Animals Dosed to Lactation Day 10 or Gestation Day 31 (No Recovery) 8

APPENDICES

I. Histomorphologic Observations ..... I-1 to I-5

Tables

I-1. Histomorphologic Observations in the Thyroid Gland - Group 1 Female Rats I-1
I-2. Histomorphologic Observations in the Thyroid Gland - Group 2 Female Rats I-2
I-3. Histomorphologic Observations in the Thyroid Gland - Group 3 Female Rats I-3
I-4. Histomorphologic Observations in the Thyroid Gland - Group 4 Female Rats I-4

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

TABLE OF CONTENTS
(Continued)

Page

I-5. Histomorphologic Observations in the Thyroid Gland - Group 5 Female Rats I-5

II. Gross Lesions – All Rats on Study ..... II-1 to II-6

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

METHOD:

Microscopic examination was made thyroid gland from 125 F0 female Crl:CD®BR VAF/Plus® (Sprague-Dawley) rats equally divided into five treatment groups used in neurobehavioral developmental study of ammonium perchlorate and gross lesions from all rats on study. A brief outline of the study design is shown below.

Group	Target Dosage (mg/kg/day)	Concentration (µg/mL)^	Number of F0 Female Rats
I	0 (Carrier)	0	25
II	0.1	0.8	25
III	1.0	7.6	25
IV	3.0	22.8	25
V	10.0	75.8	25

^Based on average water consumption of 33 mL/animal/day (132 mL/kg/day) for a 250g female rat. Concentrations were adjusted weekly based on actual water consumption levels recorded the week. The test substance was considered 100% active for the purpose of dosage calculations.

The F0 female rats were given continual access to the test substance in the drinking water beginning on Day 0 of presumed gestation and continuing through Day 31 of presumed gestation (rats that do not deliver a litter) or continuing through Day 10 of the lactation period (dams that deliver a litter). A constant concentration (%) of the test substance equivalent to the target doses were offered to the female rats in the drinking water.

The in-life portion of the study, necropsies, and recording of the gross necropsy observations were performed by the staff of Argus Research Laboratories, Inc. At necropsy, the thyroid from all F0 female rats and gross lesions from all rats were collected and retained in 10% neutral buffered formalin and then submitted to Research Pathology Services, Inc. for tissue processing, microscopic slide preparation and histopathologic evaluation. The thyroid glands and gross lesions were routinely processed, embedded in paraffin, sectioned, and stained with hematoxylin and eosin for microscopic evaluation.

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

Upon completion of the project, all raw data (remaining wet tissue, paraffin blocks, microscopic slides and histology records) will be returned to Argus Research Laboratories, Inc. for archiving.

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

RESULTS:

The type, incidence and degree of severity of histomorphologic observations in the thyroid gland of the female rats of all groups are summarized in Table 1. Table 2 contains the 20 animals that were dosed through postpartum day 10 and then were sacrificed on postpartum day 22 (i.e., 12 days of recovery) and Table 3 contains the 5 animals that were dosed through postpartum day 10 or gestation day 31 (i.e., no recovery). The individual histomorphologic findings are presented in tabular form in Appendix I (Tables I-1 to I-5).

There were no compound-related microscopic changes observed in the thyroid gland of any of the female F0 rats given any of the concentrations of ammonium perchlorate in the drinking water.

There was variability in the histomorphology of the thyroid follicular epithelium in some of the female rats of all groups, including the controls. In some of the thyroid glands, the epithelial cells were enlarged (hypertrophied). This apparently is a normal physiologic response in the thyroid glands of postpartum female rats. There was no difference in the incidence or intensity of this hypertrophy among the groups, including the controls.

The only other finding was an occasional cystic ultimobranchial body. This also is a common incidental finding in the thyroid gland of rats. The incidence of female rats with these cystic ultimobranchial bodies also was not different among the groups.

Microscopic examination of the gross lesions from the rats of the various groups revealed several different histomorphologic changes in a variety of organs. The most common finding was variable degree of pelvic dilatation, but this was observed sporadically among all groups and was not influenced by compound administration. All other microscopic changes observed were typical of those that occur spontaneously in laboratory rats and their type or incidence was not considered to have been affected by administration of the test article.

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

SUMMARY:

Microscopic examination was made of the thyroid gland of four groups of female F0 adult female rats (25 rats per group) that had been given 0.1, 1.0, 3.0 or 10.0 mg/kg/day of ammonium perchlorate in the drinking water in a neurobehavioral developmental study. An additional group of 25 female F0 rats was given the carrier (non-chlorinated reverse-osmosis membrane processed deionized water) and served as controls.

There were no treatment-related microscopic changes observed in the thyroid gland of the female F0 generation rats given any of the concentrations of ammonium perchlorate in the drinking water. Also, microscopic examination of gross lesions from rats of the various groups revealed no changes considered to be related to the administration of ammonium perchlorate.

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

QUALITY ASSURANCE UNIT STATEMENT

All aspects of the tissue processing, microscopic slide preparation, histopathologic evaluation and report preparation for the study listed above have been performed according to the Standard Operating Procedures of Research Pathology Services, Inc. and were audited in accordance with the procedures established by the Quality Assurance Unit of Research Pathology Services, Inc. in compliance with the "Good Laboratory Practice Standards" regulations (21 CFR 58).

Quality Assurance inspections were performed on 12/18/97, 12/19/97, 01/06/98, 01/07/98, 01/23/98, 01/27/98, 02/10/98, 02/12/98, 02/17/98 and 06/26/98, and findings were reported to management monthly. There were no deviations from the protocol, Standard Operating Procedures and/or appropriate Good Laboratory Practice regulations noted during the conduct of the study. The summary report of QA inspections was submitted to the Study Director on June 29, 1998.

Karen W. Harkins, B.S.

Karen W. Harkins, BS
Quality Assurance Unit

06-29-98

Date

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table 1
Incidence and Degree of Severity of Histomorphologic Observations in the Thyroid Gland
All Animals on Study

Dose Group:	I	II	III	IV	V
Sex:	F	F	F	F	F
Number of Animals/Group:	25	25	25	25	25
THYROID:					
NO. EXAMINED	25	25	25	25	25
NO. NORMAL	7	6	5	5	4
-advanced autolysis precludes evaluation	0	0	1	0	0
-ultimobranchial body/cyst	11	11	7	11	14
-hypertrophy, follicular epithelium					
minimal	4	4	4	2	1
mild	5	7	8	7	8
moderate	6	3	6	9	8
marked	0	0	1	0	0
Total Incidence, All Grades	15	14	19	18	17

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table 2
Incidence and Degree of Severity of Histomorphologic Observations in the Thyroid Gland
All Animals Dosed to Postpartum Day 10 and Terminated on Postpartum Day 22 (12 Days of Recovery)

Dose Group:	I	II	III	IV	V
Sex:	F	F	F	F	F
Number of Animals/Group:	20	20	20	20	20
THYROID:					
NO. EXAMINED	20	20	20	20	20
NO. NORMAL	4	5	3	5	4
-advanced autolysis precludes evaluation	0	0	0	0	0
-ultimobranchial body/cyst	11	8	6	8	11
-hypertrophy, follicular epithelium					
minimal	2	3	4	2	1
mild	5	6	6	4	6
moderate	6	3	6	7	5
marked	0	0	1	0	0
Total Incidence, All Grades	13	12	17	13	12

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table 3
Incidence and Degree of Severity of Histomorphologic Observations in the Thyroid Gland
All Animals Dosed to Lactation Day 10 or Gestation Day 31 (No Recovery)

Dose Group:	I	II	III	IV	V
Sex:	F	F	F	F	F
Number of Animals/Group:	5	5	5	5	5
THYROID:					
NO. EXAMINED	5	5	5	5	5
NO. NORMAL	3	1	2	0	0
-advanced autolysis precludes evaluation	0	0	1	0	0
-ultimobranchial body/cyst	0	3	1	3	3
-hypertrophy, follicular epithelium					
minimal	2	1	0	0	0
mild	0	1	2	3	2
moderate	0	0	0	2	3
marked	0	0	0	0	0
Total Incidence, All Grades	2	2	2	5	5

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

APPENDIX I

HISTOMORPHOLOGIC OBSERVATIONS

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table I-1
Histomorphologic Observations in the Thyroid

Dose Group:	I	I	I	I	I	I	I	I	I	I
Animal Number:	19503	19505	19508	19513	19519	19520	19523	19526	19530	19549
Death Type:	SD	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
-ultimobranchial body/cyst	-	P	P	-	P	-	-	P	-	-
-hypertrophy, follicular epithelium	1	2	3	3	1	3	3	2	-	1

Dose Group:	I	I	I	I	I	I	I	I	I	I
Animal Number:	19556	19558	19561	19563	19565	19571	19580	19582	19585	19608
Death Type:	SS	SS	SS	SD	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
--ultimobranchial body/cyst	-	-	P	-	P	P	-	P	P	-
-hypertrophy, follicular epithelium	3	-	-	-	2	1	-	2	-	-

Dose Group:	I	I	I	I	I
Animal Number:	19610	19611	19614	19621	19625
Death Type:	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F
THYROID:					
-ultimobranchial body/cyst	P	-	-	P	-
-hypertrophy, follicular epithelium	3	-	-	-	2

KEY:
- = Not remarkable (within normal limits or indicated change or lesion not present)
A = Advanced autolysis precludes evaluation
P = Indicated change or lesion present
1 = Minimal degree or amount of indicated change
2 = Mild degree or amount of indicated change
3 = Moderate degree or amount of indicated
4 = Marked degree or amount of indicated change
SS/SD = Sacrifice-Scheduled/Spontaneous Death
^ = Not pregnant

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table I-2
Histomorphologic Observations in the Thyroid

Dose Group:	II	II	II	II	II	II	II	II	II	II
Animal Number:	19501	19511	19514	19515^	19516^	19524	19527	19531	19533	19534
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
-ultimobranchial body/cyst	P	P	-	P	P	P	-	-	-	P
-hypertrophy, follicular epithelium	3	2	2	2	-	-	1	1	2	2

Dose Group:	II	II	II	II	II	II	II	II	II	II
Animal Number:	19536	19542	19562	19566	19575	19576	19590	19593	19594	19599
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
--ultimobranchial body/cyst	-	-	-	-	P	-	-	-	P	-
-hypertrophy, follicular epithelium	2	-	3	2	3	-	1	-	-	-

Dose Group:	II	II	II	II	II
Animal Number:	19602	19605	19609	19615	19619
Death Type:	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F
THYROID:					
-ultimobranchial body/cyst	P	P	-	-	P
-hypertrophy, follicular epithelium	-	1	-	-	-

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A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table I-3
Histomorphologic Observations in the Thyroid

Dose Group:	III	III	III	III	III	III	III	III	III	III
Animal Number:	19504	19509^	19510^	19518^	19521	19535	19538	19539	19547	19550^
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SD
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
-ultimobranchial body/cyst	-	-	-	P	-	P	-	-	-	A
-hypertrophy, follicular epithelium	2	2	-	2	4	3	-	2	2	A

Dose Group:	III	III	III	III	III	III	III	III	III	III
Animal Number:	19555	19567	19568	19578	19579	19584	19586	19587	19588	19589
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
--ultimobranchial body/cyst	-	-	-	P	-	-	P	-	-	-
-hypertrophy, follicular epithelium	2	-	3	1	1	1	2	3	-	3

Dose Group:	III	III	III	III	III
Animal Number:	19592	19596	19597	19603	19616
Death Type:	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F
THYROID:					
-ultimobranchial body/cyst	-	-	P	P	P
-hypertrophy, follicular epithelium	3	-	3	1	2

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A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table I-4
Histomorphologic Observations in the Thyroid

Dose Group:	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV
Animal Number:	19506	19507^	19517^	19522	19525	19537	19544	19545	19554	19557
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
-ultimobranchial body/cyst	-	P	-	-	P	-	P	P	-	-
-hypertrophy, follicular epithelium	-	2	2	-	3	2	-	1	3	2

Dose Group:	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV
Animal Number:	19569	19573	19577	19581	19583	19598	19600	19604	19606	19607
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
--ultimobranchial body/cyst	P	-	P	P	P	-	-	-	P	-
-hypertrophy, follicular epithelium	3	2	1	2	3	-	3	3	3	-

Dose Group:	IV	IV	IV	IV	IV
Animal Number:	19612	19617	19618	19622	19623
Death Type:	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F
THYROID:					
-ultimobranchial body/cyst	-	-	P	-	P
-hypertrophy, follicular epithelium	3	-	3	2	-

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A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F

Table I-5
Histomorphologic Observations in the Thyroid

Dose Group:	V	V	V	V	V	V	V	V	V	V
Animal Number:	19502	19512	19528	19529	19532	19540	19541	19543	19546	19548^
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
-ultimobranchial body/cyst	-	P	P	P	-	P	P	P	P	-
-hypertrophy, follicular epithelium	2	3	3	1	2	-	3	-	3	2

Dose Group:	V	V	V	V	V	V	V	V	V	V
Animal Number:	19551	19552	19553	19559	19560	19564	19570	19572	19574	19591
Death Type:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F	F	F	F	F	F
THYROID:										
--ultimobranchial body/cyst	-	-	P	P	-	-	-	P	-	P
-hypertrophy, follicular epithelium	2	-	3	3	3	-	-	-	2	2

Dose Group:	V	V	V	V	V
Animal Number:	19595	19601	19613	19620	19624
Death Type:	SS	SS	SS	SS	SS
Sex:	F	F	F	F	F
THYROID:					
-ultimobranchial body/cyst	P	P	-	P	-
-hypertrophy, follicular epithelium	2	3	2	-	-

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A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

APPENDIX II

GROSS LESIONS

ALL RATS ON STUDY

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS PROTOCOL 1613-002 SPONSOR'S STUDY NUMBER 7757A210-1096-25F HISTOPATHOLOGY REPORT

Animal Number Group &Generation	Gross Observation	Microscopic Observation
1367M F1-Group I	Lesion, head	Dermatitis, hyperplastic, minimal
1386M F1-Group I	Lesion, head, above right ear	Dermatitis, hyperplastic, moderate
1531M F1-Group I	Swollen snout	Fracture, maxilla Inflammation, chronic, nasal cavity Hemorrhage, nasal cavity
1572M F1-Group I	Testis, right, large Epididymis, right, large Kidney, right, pelvis, slight dilation	Degeneration, diffuse, moderate Inflammation, subacute, mild Dilatation, pelvis, mild
1305M F1-Group II	Tail, tip missing	Necrosis, focal, mild
1513M F1-Group II	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, mild
1546M F1-Group II	Kidney, right, pelvis, slight dilation	Dilatation, pelvis, mild
1525M F1-Group III	Kidney, left, pelvis, moderate dilation	Dilatation, pelvis, mild
1542M F1-Group III	Kidney, right, pelvis, marked dilation	Dilatation, pelvis, marked
1307M F1-Group IV	Testis, left, purple, flaccid, small Epididymis, left, small	Atrophy, diffuse, marked Granuloma(s), sperm Hypospermia, marked

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

1374M	F1-Group IV	Testis, right, small flaccid	Atrophy, diffuse, marked
		Epididymis, right, small	Hypospermia, marked
1464M	F1-Group IV	Tail, bent, 3.5cm from base	No microscopic change to correlate
1519M	F1-Group IV	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, moderate
1532M	F1-Group IV	Kidney, right, pelvis, slight dilation	Dilatation, pelvis, moderate
1565M	F1-Group IV	Kidney, bilateral, pelvis, slight dilation	Dilatation, pelvis, moderate
1388M	F1-Group V	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, moderate
1441M	F1-Group V	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, moderate Mineralization, medulla, focal, minimal
1448M	F1-Group V	Lesion, back, 1.0cm in diameter	Dermatitis, chronic, mild
1488M	F1-Group V	Lesion, back, 2.0 x 1.0cm	Dermatitis, ulcerative, mild
1528M	F1-Group V	Kidney, right, pelvis, slight dilation	Dilatation, pelvis, mild Glomerulonephropathy, moderate

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
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PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

1541M	F1-Group V	Preputial gland, left large, firm, tan Urinary Bladder, distended, moderate, *contains multiple* calculi, wall thick	Prostatitis, suppurative, marked (tissue submitted was prostate) Cystitis, hyperplastic, marked
1647F	F1-Group I	Kidney, left, pelvis, slight dilation	Dilatation, pelvis, minimal
1750F	F1-Group I	Kidney, right, pelvis, slight dilation	Dilatation, pelvis, mild Mineralization, medulla, focal, minimal
1868F	F1-Group I	Kidney, right, pelvis, slight "moderation"	Dilatation, pelvis, moderate
1660F	F1-Group II	Kidney, left, pelvis, moderate dilation	Dilatation, pelvis, marked Mineralization, medulla, focal, minimal
1671F	F1-Group II	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, moderate Mineralization, medulla, focal, minimal
1755F	F1-Group II	Tail, bent, 2cm from base	No microscopic change to correlate
1869F	F1-GroupII	Kidney, bilateral, pelvis, moderate dilation	Dilatation, pelvis, moderate Mineralization, medulla, focal, minimal
1871F	F1-Group II	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, moderate Pyelitis, chronic, moderate
1895F	F1-Group II	Exophthalmos, dark red, trauma, right eye	Keratitis, ulcerative, marked Hemorrhage, anterior chamber
1900F	F1-Group II	Lesion, chest	Dermatitis, ulcerative, moderate
1604F	F1-Group III	Ears, swollen and purple, both	Chondritis, auricular, moderate

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY
OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY
IN DRINKING WATER TO RATS
PROTOCOL 1613-002
SPONSOR'S STUDY NUMBER 7757A210-1096-25F
HISTOPATHOLOGY REPORT

1609F	F1-Group III	Kidney, bilateral, pelvis, slight dilation	Dilatation, pelvis, mild
1654F	F1-Group III	Tail, tip missing, 15.0cm from base	Dermatitis, chronic, mild
1716F	F1-Group III	Tail, tip missing, 12.0cm from base	Necrosis, focal, moderate
1721F	F1-Group III	Kidney, right, pelvis, marked dilation	Dilatation, pelvis, marked
1817F	F1-Group III	Lesion, mouth	Dermatitis, chronic, minimal
1825F	F1-Group III	Kidney, right, pelvis, slight dilation	Dilatation, pelvis, moderate Mineralization, medulla, focal, minimal
1830F	F1-Group III	Kidney, right, pelvis, moderate dilation	Dilatation, pelvis, marked
1854F	F1-Group III	Tail, tip missing, 14.5cm from base	Dermatitis, chronic, mild
1607F	F1-Group IV	Microphthalmia, both eyes, pupils dilated, bilateral	Cataract, unilateral Retinopathy, bilateral, marked
1614F	F1-Group IV	Ear, swollen and purple, right	Chondritis, auricular, mild
1645F	F1-Group IV	Kidney, left, pelvis, slight dilation	Dilatation, pelvis, moderate Mineralization, medulla, focal, minimal
1783F	F1-Group IV	Kidney, bilateral, pelvis, moderate dilation	Dilatation, pelvis, moderate Mineralization, pelvis, minimal

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HISTOPATHOLOGY REPORT

19554	Pup 1M Group IV	Umbilical hernia (not confirmed at necropsy); abdominal skin saved)	No microscopic change to correlate in the section of skin submitted
19591	Pup 3M Group V	Puncture of the right ventral thorax, 0.1cm diameter	Hemorrhage, subcutaneous, moderate
19559	Pup 4F Group V	Left kidney fused at top of right kidney	Not present in the section submitted

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HISTOPATHOLOGY REPORT

1819F	F1-Group IV	Kidney, right, pelvis, marked dilation; left, pelvis, moderate dilation	Dilatation, pelvis, marked
1678F	F1-Group V	Kidney, right, pelvis, marked dilation; left, pelvis, moderate dilation	Dilatation, pelvis, moderate
19526F	F0-Group I	Diaphragmatic hernia, right lateral and median lobes protruding through diaphragmatic tissue	Herniated liver lobe, diaphragm
19563F	F0-Group I	Portion of left uterine horn prolapsed	Distention, lumen, moderate
19593F	F0-Group II	Localized alopecia, limbs, both front paws, 0.5 x 1.0cm	Tissue not available
19521F	F0-Group III	Liver, all lobes, large, mottled, all lobes tan to red	Cyst(s), bile duct Inflammation, chronic, multifocal, mild
19550F	F0-Group III	Stomach, small intestine and cecum, distended, gas-filled	Tissues not available
19528F	F0-Group V	Tail, sheath missing 12.0cm from base	Tissue not available
19542F	F0-Group II	Thyroid congested, 6/6 pups	Tissues not available
19601F	F0-Group V	Tip of tail black, 1/6 pups	Tissue not available

APPENDIX O

THYROID HISTOPATHOLOGY - F1 GENERATION PUPS

HISTOPATHOLOGY REPORT
THYROID

A NEUROBEHAVIORAL DEVELOPMENTAL STUDY OF AMMONIUM PERCHLORATE ADMINISTERED ORALLY IN DRINKING WATER TO RATS

Study Pathologist: William H. Baker

Design:

According to the main protocol, on day 5 postpartum the size of litters was standardized by culling using a table of random units. These animals were sacrificed and the thyroids fixed *in situ* by placing the pluck (i.e., undamaged trachea and larynx) in 10% neutral buffered formalin (NBF). Fixed tissues were shipped to the Operational Toxicology Branch for assessment. Microscopic examinations were done on thyroids fixed in NBF from 6 male and 6 female F_1 Crl:CD®BR VAF/PLUS® (Sprague-Dawley) rat pups from each dose group. An outline of the study design is given below:

		NUMBER	
GROUP	DOSE	MALES	FEMALES
1	10.0 mg/kg	6	6
2	3.0 mg/kg	6	6
3	1.0 mg/kg	6	6
4	0.1 mg/kg	6	6
5	Control	6	6

Selection of thyroids for examination was accomplished by randomizing the dams from each treatment group using a computer program for randomization. Separate randomization was done for selection of males and females. Once the dam number was determined, the thyroid from one of that dam's pups was randomly selected with subsequent notation of the pup's identification on the original laboratory work sheets provided by Argus Laboratories.

Histopathology:

Study I:

Subjective microscopic assessment was made of the thyroid follicular lumen size and height of thyroid follicular epithelium. Initially, tissues were reviewed without knowledge of dose groups to determine the range of alterations in follicular characteristics. Subsequently, tissues were assessed and scored in a blind study.

Results I:

Scoring of follicular size ranged from 0, normal to 3, noting a moderate relative increase in number of follicles with an accompanying decrease in follicular lumen size. A similar assessment was made of follicular epithelial cells noting their general height. Scores for this characteristic ranged from 0 (normal) to 2, noting a mild increase in follicular epithelial height. Severity data are graphed in Figures 1 and 2, and the tabulated scores are as follows:

TABLE 1

	Males Groups				
	10 mg/kg	3mg/kg	1mg/kg	0.1mg/kg	0mg/kg
Number of thyroids examined	6	6	6	6	6
Incidence of follicular cell hypertrophy	6#	5@	4	5@	1
Average severity	1.67 *	1.0	0.83	1.0	0.17
Incidence of decreased follicular lumen size	6	6	5	5	2
Average severity	2.5 *	1.67	1.5	1.17	0.5

*Significantly different from controls ($P<0.05$)
and @ Significantly different from controls at $P=0.0076$ and $P=0.0411$, respectively

	Females Groups				
	10 mg/kg	3mg/kg	1mg/kg	0.1mg/kg	0mg/kg
Number of thyroids examined	6	6	6	6	6
Incidence of follicular cell hypertrophy	6	3	5	3	2
Average severity	1.17	0.67	1.33	0.67	0.5
Incidence of decreased follicular lumen size	6	5	5	5	4
Average severity	1.83	1.83	1.0	1.17	0.83

Discussion and Comments:

Analysis of the above data using the Kruskal-Wallis one way analysis of variance on ranks demonstrated that there was no significant follicular epithelial cell hypertrophy or decrease in follicular size in the female pups. In the male pups, however, there was a significant increase in hypertrophy of follicular epithelium and a significant decrease in follicle size in thyroids from the high dose group (10 mg/kg) when compared with the controls at the $P<0.05$ level. There was no statistical difference between males and females by dose group for either finding. Incidence data were analysed using the Fisher Exact Test. The incidence of follicular cell hypertrophy in males in the 10 mg/kg and 3 mg/kg groups compared to controls was significant at $P=0.0076$ and $P=0.0411$, respectively. All other comparisons of follicular cell hypertrophy or follicular size were not significant.

Study II:

Using a standard microscope ocular scale, the samples subjectively reviewed above were assessed quantitatively for the diameter of follicular lumens and the height of follicular epithelial cells. Prior to measurements, the ocular scale was calibrated at 40X magnification using a standard glass ruler with 0.02mm markings. Five representative follicles from each of three 6 μm thick sections from each thyroid (left and right lobes inclusive) were measured for follicle diameter and follicular cell height and expressed in micrometers. Large, colloid-distended, inactive follicles at the periphery of the lobes were avoided.

Results II:

The mean diameters and follicular epithelial heights are presented in Tables 2 and 3 below.

TABLE 2

Mean (± SD)Follicular Diameter in Micrometers

	Groups				
	10 mg/kg	3mg/kg	1mg/kg	0.1mg/kg	0mg/kg
Males	13.5±1.5*	14.8±2.0	15.6±1.4	16.5±1.7	17.1±2.6
Females	15.0±1.5	14.9±1.9	16.4±1.5	17.6±1.0	17.6±2.0

*Significant difference at P<0.05 compared to control group

TABLE 3

Mean (± SD) Follicular Epithelial Height in Micrometers

	Groups				
	10 mg/kg	3mg/kg	1mg/kg	0.1mg/kg	0mg/kg
Males	7.8±0.7*	7.3±0.4	6.9±0.6	6.8±1.0	6.8±0.6
Females	7.3±0.8	7.4±1.1	7.4±0.4	6.6±0.4	7.2±0.6

*Significant difference at P<0.05 compared to control and 0.1mg/kg groups

Discussion and Comments:

Follicular Diameter: There was a dose-related decrease in follicular diameter as noted in attached graphs (Fig. 3). For females, although there was an apparent dose response, there were no significant differences in follicle diameters across dose groups using Bonferroni's method for multiple comparisons. In the males, however, in addition to the clear dose response, there was a significant decrease ($P<0.05$) in the follicle diameters of the high dose group (10mg/kg) vs. controls using the same method as noted above. There was no significant difference in follicular diameters in males and females within dose groups.

Follicular Epithelial Height: There was a dose-related increase in follicular epithelial height demonstrated in males with a significant increase ($P<0.05$) in height noted in the 10 mg/kg group when compared with the control and 0.1 mg/kg groups (Fig. 4). In females, increases in epithelial height were minimal and statistically insignificant. There was no significant difference in follicular epithelial heights in males and females within dose groups.

Summary:

Initial subjective microscopic assessment of thyroids suggested that in male pups there was a significant decrease in the follicular lumen size with an accompanying significant hypertrophy of follicular epithelial cells within the highest dose group (10mg/kg). These findings were corroborated by results of the second, quantitative assessment. A similar decreased lumen size has been observed in adult male Sprague-Dawley rats of Study A10 in this laboratory at 12.5 mg/kg oral dose of ammonium perchlorate in drinking water (1). These findings demonstrate a dose related response to ammonium perchlorate exposure in adult (Study A10) and developing rats (current study). In this recent study, the morphologic changes in the thyroid suggest perturbations in thyroid hormone levels may also be present in these pups. The possibility of an induced hypothyroid state in these developing rat pups linked with the fact that thyroid hormone is a critical mediator of central nervous system development place added importance on the neurobehavioral developmental aspects of this study (2).

Acknowledgments:

I gratefully acknowledge Ms. Margaret Parrish for her logistical and technical support of this study through her efficient and reliable documentation and handling of samples, and preparation of sections and slides.

References:

1. Eggers, JS. Toxicity evaluation of ammonium perchlorate administered in the drinking water of Sprague-Dawley rats. Scientific Report to Project Director, 14 Februrary, 1996, Armstrong Laboratory, Toxicology Division.

2. Thompson, CC and Bottcher, MC. The product of a thyroid hormone-responsive gene interacts with thyroid hormone receptors. Proc Natl Acad Sci USA 94(16):8527-8532, 1997.

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Date: 2 June 98

QUALITY ASSURANCE

The study, "A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered in Drinking Water to Rats, Argus Protocol 1613-002, Thyroid Pathology," was conducted by the ManTech Geo-Centers Joint Venture to be in compliance with the Environmental Protection Agency's Good Laboratory Practices Standards, 40 CFR 792.

The items below were inspected by members of the Quality Assurance Unit. Results of the inspections were reported directly to the Investigator and Study Director at the close of each inspection.

DATE OF INSPECTION	ITEM INSPECTED
April 20, 1998	Pathology data
April 20, 1998	Draft investigator report.

The Quality Assurance Unit has determined through review process that this report accurately describes those methods and standard operating procedures required by the protocol and that the reported results accurately reflect the raw data obtained during the course of the study. No discrepancies were found that would alter the interpretations presented in this Final Report.

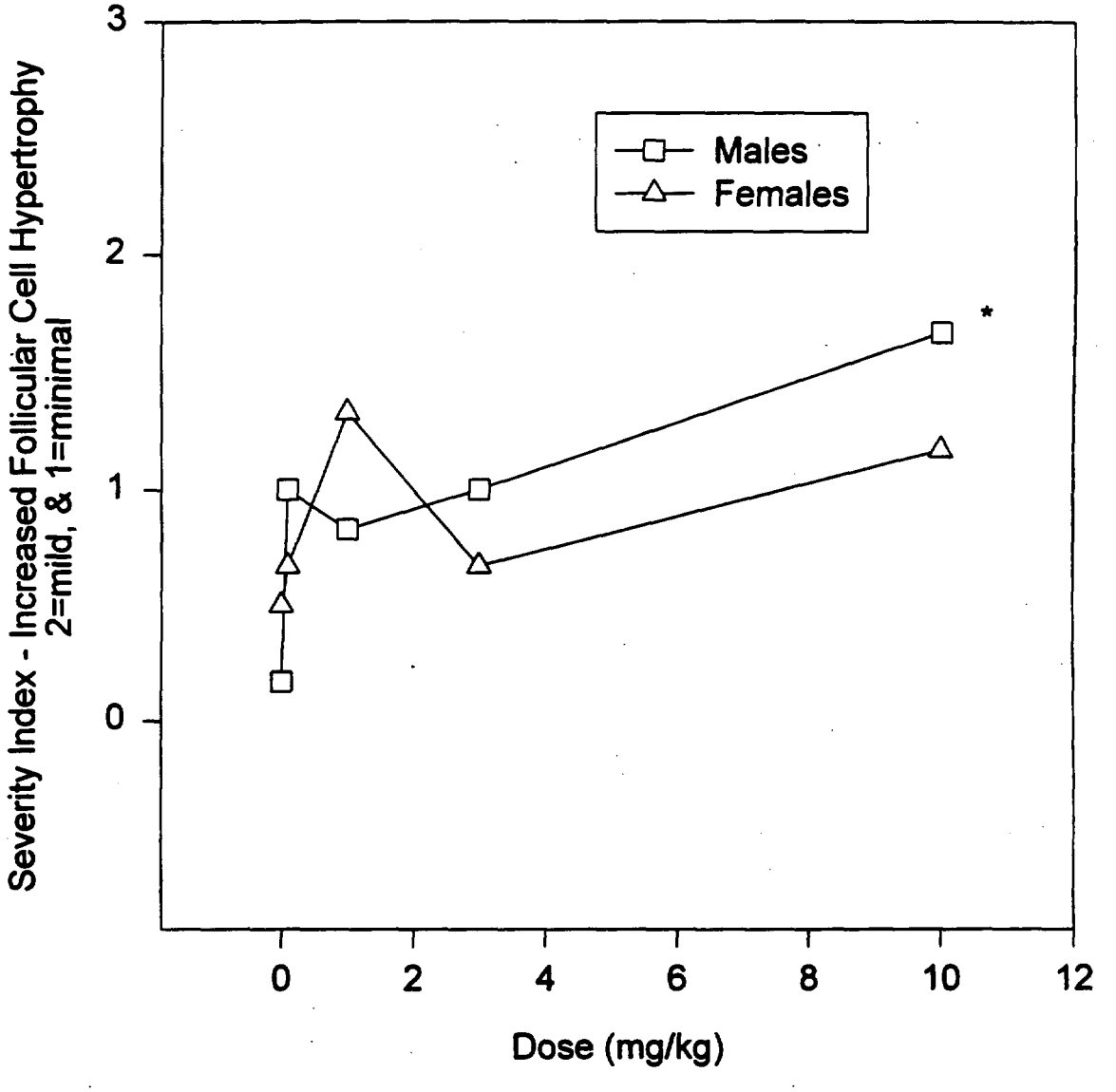
M G Schneider

M. G. Schneider
QA Coordinator

Date April 21 1998

Follicular Cell Hypertrophy

Subjective Assessment

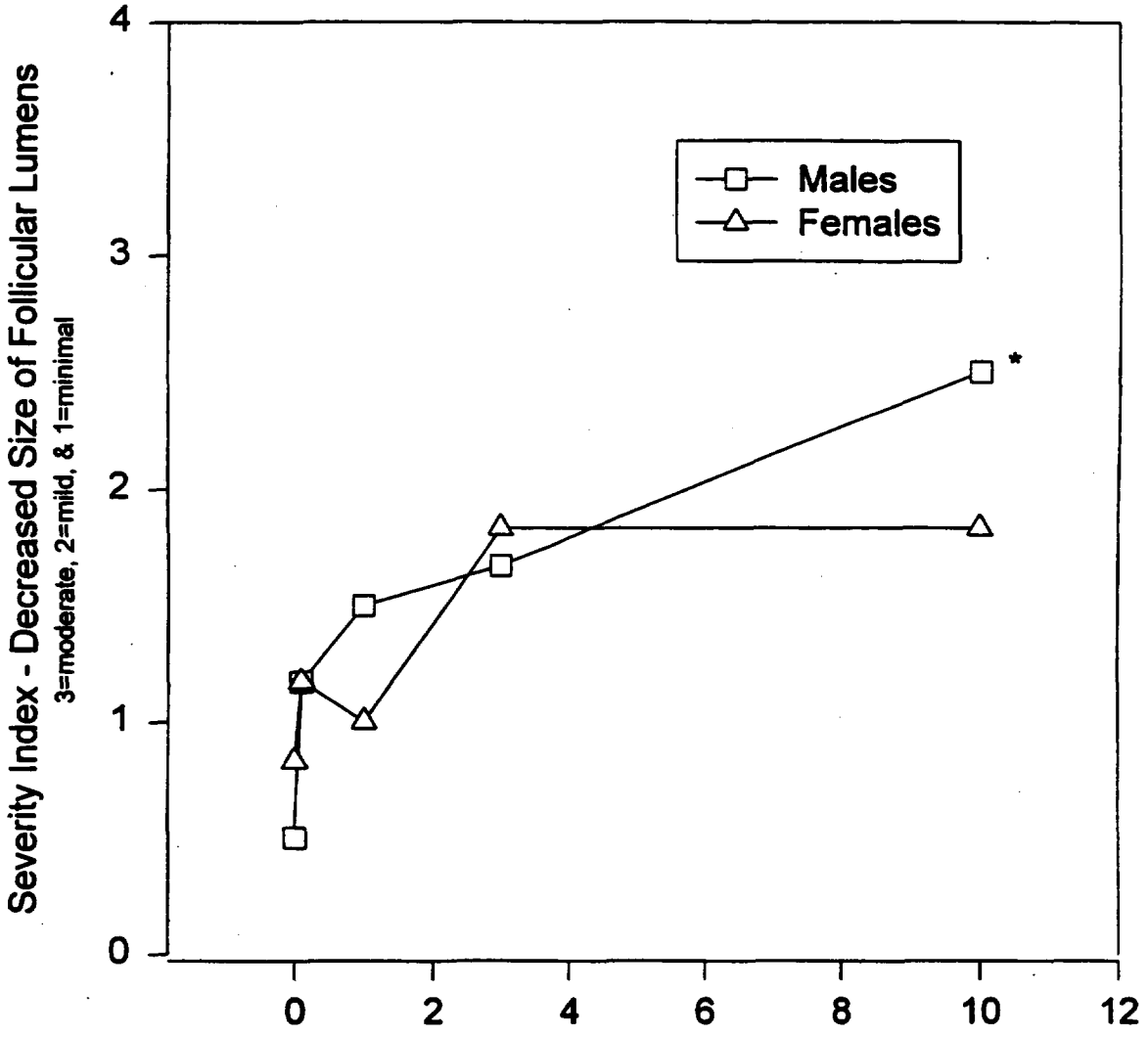


*Significantly different from controls P<0.05

Figure 1

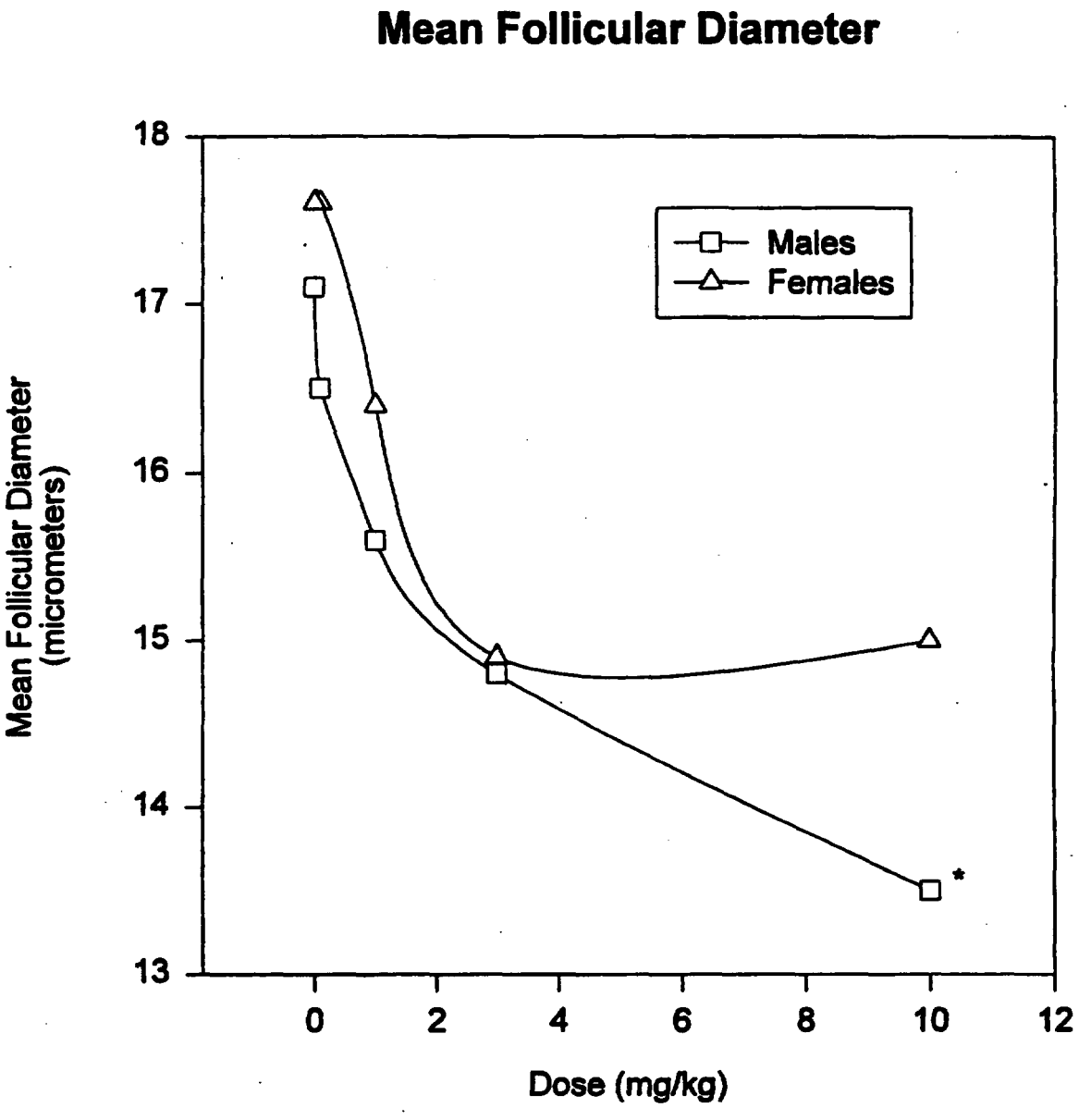
Size of Thyroid Follicular Lumens

Subjective Assessment



*Significantly different from controls P<0.05

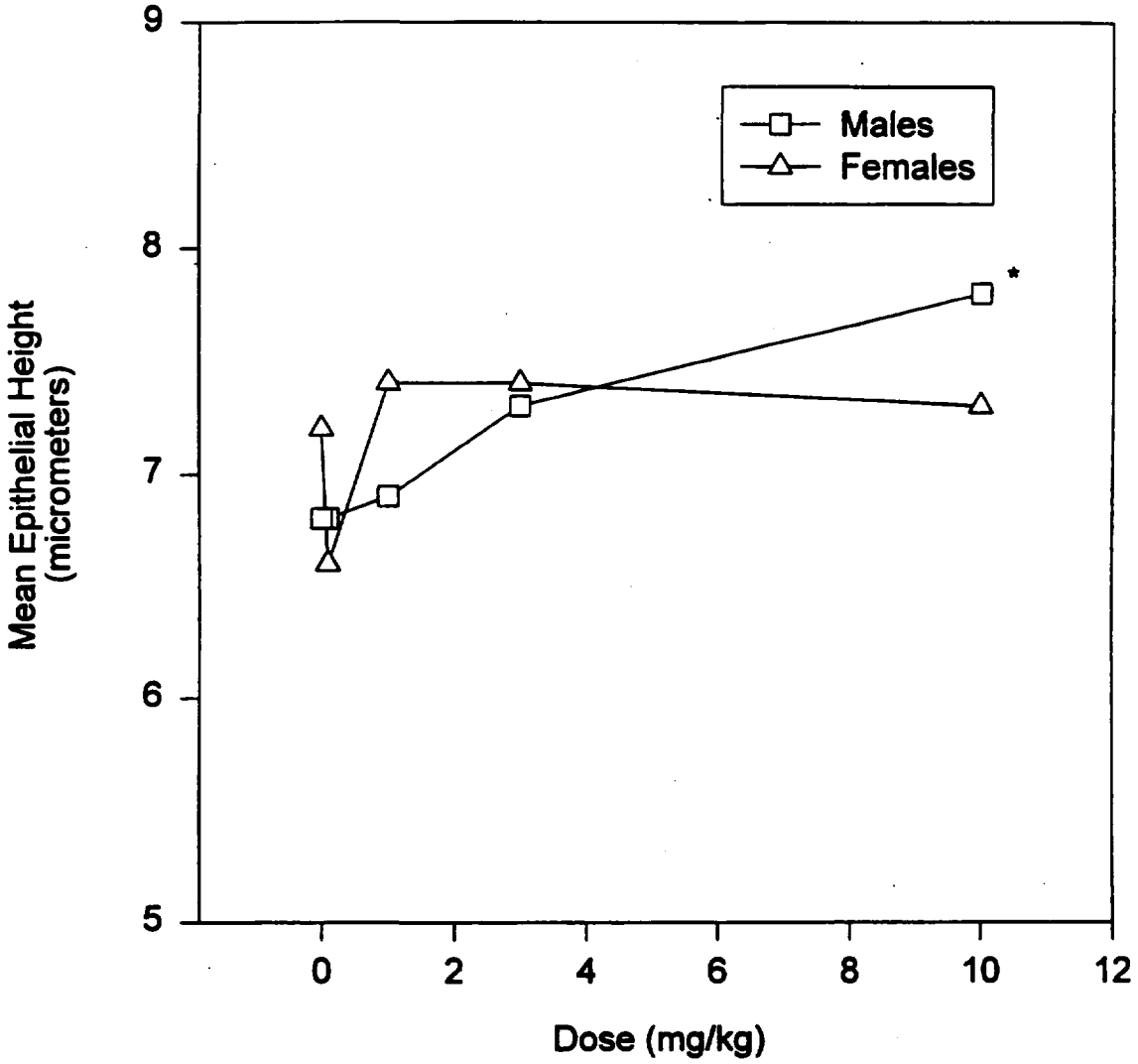
Figure 2



*Significantly different from controls P<0.05

Figure 3

Mean Follicular Epithelial Height



*Significantly different from control and 0.1mg/kg groups P<0.05

Figure 4

APPENDIX P

NEUROHISTOLOGY AND MORPHOLOGY - POSTPARTUM DAY 12

CONSULTANTS IN VETERINARY PATHOLOGY

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NEUROPATHOLOGY REPORT

PROTOCOL 1613-002

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Day 12 Postpartum Rats

TESTING FACILITY

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044-1297

STUDY SPONSOR

Man Tech Geo-Centers Joint Venture
Man Tech Environmental Technology, Inc.
P.O. Box 31009
Dayton, Ohio 45437-0009

(31 Pages)

COMPLIANCE WITH GOOD LABORATORY PRACTICE STANDARDS

Those portions of this study which were performed at the laboratory of Consultants in Veterinary Pathology were conducted in compliance with the appropriate sections of the following Good Laboratory Practice Standards: 1) United States Environmental Protection Agency (1996). Health Effects Test Guidelines; Developmental Neurotoxiciety Study. Office of Prevention, Pesticides and Toxic Substandes (OPPTS) 870.6300, June 1996; 2) U.S. Environmental Protection Agency. Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA); Good Laboratory Practice Standares; Final Rule. 40 CFR Part 160. 3) U.S. Environmental Protection Agency. Toxic Substances Control Act (TSCA); Good Laboratory Practice Standards; Final Rule. 40 CFR Part 792.

Robert H. Garman 6-29-98

Robert H. Garman, DVM — Date
Diplomate, ACVP

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Day 12 Postpartum Rats

TABLE OF CONTENTS

	Page
Good Laboratory Practice Standards Compliance Statement	1
Summary	3
Introduction	3
Materials and Methods	3
Results and Discussion	5
Conclusion	6
Table 1 - Brain Weights and Morphometry Data - for F_1 Generation Day 12 Male Rats	7
Table 2 - Brain Weights and Morphometry Data - for F_1 Generation Day 12 Female Rats	8
Table 3 - Neuropathology Summary Data for F_1 Generation Day 12 Male Rats	9
Table 4 - Neuropathology Summary Data for F_1 Generation Day 12 Female Rats	14
Table 5 - Individual Neuropathology Data for F_1 Generation Day 12 Male Rats	19
Table 6 - Individual Neuropathology Data for F_1 Generation Day 12 Female Rats	25
Quality Assurance Statement	31

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Day 12 Postpartum Rats

SUMMARY

Morphometric and neurohistologic evaluations were performed on 12 male and 12 female day 12 Crl:CD®BR VAF/Plus® (Sprague Dawley) rats. These rats had the potential for exposure to ammonium perchlorate *in utero* and during the neonatal period by lactational exposure. The dams of these rats had received the test material in the drinking water, beginning on day 0 of presumed gestation and continuing through day 10 of lactation. There were five target maternal dosage levels as follows: 0, 0.1, 1.0, 3.0, and 10.0 mg/kg/day.

Brain weights, gross and microscopic morphometric evaluations, and neuropathologic evaluations were performed on the brains of 6 rats/sex in each of the high dose and control groups. There were no intergroup differences in brain weights. The only statistically significant intergroup difference for a morphometric measurements was for the corpus callosum of the day 12 female pups. In the female high dosage group, the corpus callosum was found to be slightly thicker than for the control group. This slight difference is not considered to be of biologic significance. Furthermore, no neuropathologic lesions were present in any of the brain sections. It is concluded that the high dose of 10 mg/kg/day is a no-observable-effect level for neuropathologic alteration in juvenile rats exposed *in utero* and *via* lactation to the test chemical under the conditions of this study.

INTRODUCTION

The evaluated animals were all F_1 generation Sprague Dawley (Crl:CD®BR VAF/Plus®) rats that were part of a neurobehavioral developmental study designed to evaluate the effects of possible exposure to ammonium perchlorate *in utero* and during the neonatal period. This report details the materials and methods followed for the morphometry and neuropathology portions of this study and includes data for 24 rats that were necropsied on postpartum day 12 (6/sex in each of the high dose and control groups).

MATERIALS AND METHODS

Study Overview and Group Assignments:

The evaluated animals were all F_1 generation Sprague Dawley rats. The test substance had been provided in the drinking water from day 0 of presumed gestation to day 10 of lactation. The concentrations in the drinking water were designed to provide the following five target maternal dosage levels: 0, 0.1, 1.0, 3.0, and 10.0 mg/kg/day.

Dissection and Trimming Procedures:

The brains from the evaluated day 12 postpartum rats had been immersion-fixed in 10% neutral buffered formalin (NBF) at the Testing Facility (Argus Research Laboratories, Inc.). These brains were received in NBF. The brains were intact and still within the cranial vaults, but the calvaria covering the dorsum of the brains had already been removed to enhance fixation. The brains were removed, and two linear measurements taken from each brain with a Vernier caliper. These were: 1) a linear measurement of the cerebrum from the anterior to posterior pole, exclusive of the olfactory bulbs and 2) a linear measurement of the cerebellum extending from the anterior edge of the cortex to the posterior pole. Both of these measurements were in millimeters. The individual performing these gross measurements was "blinded" as to the dose group assignments for all but one

of the rats. (This rat was a late replacement for another rat originally mis-identified as to dose group.) After the gross measurements were taken, the brains were weighed.

After the brains were measured and weighed, they were divided in a standardized fashion into six coronal slices (see details, below). The olfactory bulbs were also processed, resulting in a total of eight sections for each brain. The coronal slices and olfactory bulbs were placed into two cassettes, with the slices from the anterior portion of the brain being placed into Cassette #1 and the sections from the posterior portion of the brain being placed into Cassette #2.

The multiple coronal brain slices were prepared as follows:

1) The first cut was made half-way between the ventral base of the olfactory bulbs and the optic chiasm.
2) The second cut was made through the through the optic chiasm.
3) The third cut was made through the infundibulum.
4) The fourth cut was made through the midbrain just posterior to the mammillary body.
5) The fifth cut was made through the cerebellum just anterior to its mid point.
6) The sixth cut was through the anterior portion of the medulla.

The first four cuts were made starting from the ventral aspect of the brain. The fifth and sixth cuts were made from the dorsal surface. All of the coronal slices were placed anterior face down into the tissue cassettes (so that these anterior faces were sectioned).

Histotechnology Procedures:

The brain slices were processed according to standard operating procedures for paraffin embedding. The tissue blocks were sectioned on a rotary microtome set at a thickness of seven micrometers and the resulting sections stained with hematoxylin and eosin. After the brain slices had been processed, sectioned, stained, coverslipped and appropriately labelled, the slide labels were covered with opaque tape, the slides randomized, and each rat assigned a letter code. The animal ID and dose group assignments were also covered on the forms used to record the morphometric measurements, with only the letter designation for the individual animal being visible to the pathologist at the time that these morphometric data were recorded. The order of evaluation of the randomized slides was from the lowest to the highest letter (*i.e.* starting with "A").

Histopathology Procedures:

Nine linear morphometric measurements were taken on each brain from the 24 day 12 postpartum rat brains evaluated in this portion of the study. As detailed, above, two of these measurements were taken from the intact brains prior to trimming and processing. The other seven were taken from the histologic sections. The following microscopic morphometric measurements were performed using a calibrated ocular micrometer:

1) Thickness of the frontal cortex. This measurement was of the dorsal portion of the cerebral cortex within the coronal section passing through the optic chiasm and was taken at a magnification of 40x.
2) Thickness of the parietal cortex. This measurement was of the dorsolateral portion of the cerebral cortex within the coronal section taken through the optic chiasm. This measurement was also taken at a magnification of 40x.
3) Diagonal width (maximum cross sectional width) of the caudate putamen and underlying globus pallidus. This measurement was also performed on the coronal section taken at the level of the optic chiasm and was taken at a magnification of 20x.
4) Thickness of the corpus callosum at its mid point within the section taken at the level of the optic chiasm. This measurement was taken at a magnification of 100x.
5) Thickness of the hippocampal gyrus. This measurement was performed on the dorsal to lateral portion of the dentate gyrus within the section taken just posterior to the mammillary body. Measurements were taken from the hippocampus from both sides of this brain slice and the median value recorded. This measurement was taken at a magnification of 40x.

6) Height of the cerebellum at the level of the deep cerebellar nuclei, including lobes 1 - 6 and extending from the roof of the fourth ventricle to the dorsal surface. (This is the maximum height of the cerebellum.) This measurement was taken at a magnification of 20x.
7) Thickness of the external germinal layer of the cerebellum. Because the thickness of this layer varied considerably from region to region, multiple areas were measured over the dorsum of the cerebellum and the median value recorded as one measurement. This measurement was taken at a magnification of 400x.

The gross AP micrometric measurements of the cerebrum and cerebellar cortex are expressed in millimeters. The microscopic micrometric measurements were multiplied by appropriate factors to yield dimensions in micrometers.

Histopathologic evaluations were performed on the brain sections from the same 24 brains that were used for the morphometric measurements. The computer program used for entry of the neuropathologic findings was set up to require input for 38 specific neuroanatomic regions, although all areas of every brain section were thoroughly examined. After each brain was examined, a printout of all findings was produced. This printout was reviewed by the pathologist and saved as part of the histopathology raw data.

Statistical Evaluations:

Frequencies of neuropathologic findings were compared using a Fisher's exact test. Mean brain weights and group means for morphometric measurements were compared by a single-factor analysis of variance.

RESULTS AND DISCUSSION

Morphometric Measurements:

Brain weight and morphometry data for the day 12 postpartum male rats are presented in Table 1. Similar data for the day 12 female rat pups are presented in Table 2. For the day 12 male rat pups, there are no significant differences between the control and high dose groups in either the mean brain weights or the means for the various linear dimensions. For the day 12 female pups, the only statistically significant difference is for the corpus callosum, which was found to be slightly thicker for the high dose female group. (The difference between the means of the control and high dose group is less than 64 micrometers.) While the reason for the greater mean thickness of the corpus callosum in the high dose female group is not apparent, this white matter tract was microscopically normal in appearance for all animals. Furthermore, any neurotoxic effect that might have resulted in increased neuron death or delayed neuron migration would be expected to have resulted in a decreased thickness of the corpus callosum. Therefore, the difference in corpus callosum thickness between the control and high dose day 12 group female rats is not considered to be of biologic significance.

Microscopic Findings:

The histopathologic data for the brains evaluated microscopically are presented in Table 3 for the male rat pups and in Table 4 for the female pups. The individual animal data for these rats are presented in Table 5 (male rat pups) and in Table 6 (female rat pups). No microscopic abnormalities were present within any of the brain sections examined from either the male or female F_1 generation day 12 postpartum rat pups.

CONCLUSION

Brain weights were similar for the control group rats and those exposed *in utero* and during the neonatal period to ammonium perchlorate. Furthermore, no neuropathologic alterations were present within any of the 24 brains examined microscopically. Although the mean value for the thickness of the corpus callosum of the day 12 high dose group female rats was slightly greater than that for the control group female rats, this difference is not considered to be biologically significant and is, furthermore, not suggestive of a neurotoxic effect. It is concluded that the high dose of 10 mg/kg/day is a no-observable-effect level for neuropathologic alteration in juvenile rats exposed to ammonium perchlorate *in utero* and during the neonatal period under the conditions of this study.

Robert H. Garman 6-29-98

Robert H. Garman, DVM Date
Diplomate, ACVP

C:\ARGUS\16132j.doc; 6/29/98

TABLE 1
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking to Rats
Brain Weights and Morphometry Data for F_1 Generation Day 12 Male Rats

Rat Number	Brain Weight	Ant/Post cerebrum	Ant/Post cerebellum	Frontal Cortex	Parietal Cortex	Caudate Putamen	Corpus Callosum	Hippo Gyrus	Cerebellum	Ext Germ. Layer
MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY							
2002	1.375	13.2	3.4	1440	1416	2592	278	1080	3888	41
2008	1.213	12.7	3.2	1296	1344	2400	240	1056	3648	36
2036	1.357	12.7	3.2	1224	1368	2640	336	1248	3552	36
2062	1.252	12.5	2.9	1368	1368	2352	240	936	3168	41
2067	1.389	13.0	3.4	1368	1392	2544	384	1080	3696	41
2094	1.335	13.2	3.1	1560	1632	2400	336	1080	3216	36
MEAN	1.320	12.883	3.200	1376.000	1420.000	2488.000	302.333	1080.000	3528.000	38.500
SD	0.071	0.293	0.190	116.262	106.703	119.197	58.821	99.535	282.752	2.739
MATERNAL DOSAGE GROUP V			10 MG/KG/DAY							
2010	1.356	13.0	3.2	1608	1584	2640	528	1152	3504	36
2020	1.194	13.0	3.0	1584	1464	2688	317	984	3168	41
2028	1.249	12.7	2.2	1080	1296	2544	557	1200	3120	36
2037	1.353	13.0	3.5	1344	1512	2400	307	1032	3792	36
2041	1.289	13.0	3.2	1080	1440	2304	298	1104	3216	41
2043	1.321	13.0	2.9	1080	1488	2448	365	1296	3744	41
MEAN	1.294	12.950	3.000	1296.000	1464.000	2504.000	395.333	1128.000	3424.000	38.500
SD	0.063	0.122	0.443	253.992	96.000	146.904	116.678	113.589	298.476	2.739

FOOTNOTES: Brain weights are in grams. The anterior to posterior dimensions of the cerebrum and cerebellum are in millimeters. All other parameters are linear measurements in micrometers. Ant/Post = anterior to posterior; Hippo. = Hippocampal;

TABLE 2
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking to Rats
Brain Weights and Morphometry Data for F_1 Generation Day 12 Female Rats

Rat Number	Brain Weight	Ant/Post cerebrum	Ant/Post cerebellum	Frontal Cortex	Parietal Cortex	Caudate Putamen	Corpus Callosum	Hippo. Gyrus	Cerebellum	Ext.Germ. Layer
MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY							
2122	1.233	12.6	3.0	1224	1344	2208	192	912	3120	43
2136	1.365	12.8	3.5	1512	1440	2448	259	1056	3696	36
2170	1.342	12.9	3.0	1584	1512	2304	288	1104	3600	41
2172	1.517	13.5	3.0	1632	1536	2496	298	1128	3984	41
2185	1.321	12.5	3.2	1416	1296	2208	269	1152	3552	48
2194	1.280	12.5	2.9	1536	1488	2304	336	960	3552	41
MEAN	1.343	12.800	3.100	1484.000	1436.000	2328.000	273.667	1052.000	3584.000	41.667
SD	0.097	0.379	0.219	146.708	96.499	120.479	48.144	96.499	279.336	3.882
MATERNAL DOSAGE GROUP V			10 MG/KG/DAY							
2123	1.278	12.4	3.4	1344	1392	2304	307	1080	3024	41
2124	1.310	12.9	3.0	1296	1440	2400	336	1032	3552	36
2140	1.182	12.6	3.0	1464	1464	2352	355	1056	3264	36
2143	1.254	12.9	3.0	2198	1440	2448	346	1008	3168	36
2193	1.314	12.6	2.9	1392	1512	2256	355	936	3696	41
2198	1.330	13.2	3.3	1632	1608	2352	326	1008	3504	41
MEAN	1.278	12.767	3.100	1554.333	1476.000	2352.000	337.500	1020.000	3360.000	38.500
SD	0.054	0.288	0.200	336.401	75.514	67.882	18.706**	49.767	256.549	2.739

FOOTNOTES: Brain weights are in grams. The anterior to posterior dimensions of the cerebrum and cerebellum are in millimeters. All other parameters are linear measurements in micrometers. Ant/Post = anterior to posterior; Hippo. = Hippocampal;

** $p \leq 0.01$

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Piriform Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Frontal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Entorhinal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cingulate Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Retrosplenial Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Parietal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Temporal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Occipital Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Caudate Nucleus/Putamen					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Globus Pallidus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Amygdala					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Olfactory Bulb					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Optic Nerve/Chiasm					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Septal Nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Subiculum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA1					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA2					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA3					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Dentate Gyrus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Thalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hypothalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Anterior Commissure					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Corpus Callosum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
External Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Internal Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Fornix					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Midbrain					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Substantia Nigra					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebral Peduncle					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar White Matter					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Peduncles					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Pons					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Vestibular Nucleus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	1	6
Medulla Oblongata					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	5	-	-	-	6
No. With Microscopic Diagnoses	1	-	-	-	0
HEMORRHAGE	1	-	-	-	0
minimal	1	-	-	-	-
Pyramids					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Trigeminal Tract					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	1	6
Piriform Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Frontal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Entorhinal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cingulate Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Retrosplenial Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Parietal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Temporal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Occipital Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Caudate Nucleus/Putamen					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	1	6
Globus Pallidus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Amygdala					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Olfactory Bulb					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Optic Nerve/Chiasm					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Septal Nuclei					
Number of Tissues Examined	6	0	0	0	5
Microscopically Normal	6	-	-	-	5
No. Not Examined Microscopically	-	-	-	-	1
Subiculum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA1					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA2					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA3					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	1	6
Dentate Gyrus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Thalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hypothalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Anterior Commissure					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Corpus Callosum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
External Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Internal Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Fornix					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Midbrain					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	1	6
Substantia Nigra					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebral Peduncle					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar White Matter					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Peduncles					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Pons					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Vestibular Nucleus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Day 12 Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	1	6
Medulla Oblongata					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	5	-	-	-	6
No. With Microscopic Diagnoses	1	-	-	-	0
HEMORRHAGE	1	-	-	-	0
minimal	1	-	-	-	-
Pyramids					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Trigeminal Tract					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD,
5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Male Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 2002 DATE OF DEATH: 2-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2008 DATE OF DEATH: 2-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Male Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 2036 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2062 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Male Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 2067 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE

The following tissues/anatomic sites are microscopically normal:

Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2094 DATE OF DEATH: 5-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE

Medulla Oblongata (microscopic)
HEMORRHAGE, focal, minimal
Comment: Peracute/agonal in type.

The following tissues/anatomic sites are microscopically normal:

Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Pyramids
Trigeminal Tract		

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Male Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 2010 DATE OF DEATH: 2-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2020 DATE OF DEATH: 2-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Male Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 2028 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2037 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Male Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 2041 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2043 DATE OF DEATH: 3-NOV-97 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Female Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 2122 DATE OF DEATH: 2-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2136 DATE OF DEATH: 3-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
Medulla Oblongata (microscopic)		
HEMORRHAGE, focal, minimal		
Comment: Peracute/agonal in type.		
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Pyramids
Trigeminal Tract		

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Female Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 2170 DATE OF DEATH: 4-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2172 DATE OF DEATH: 4-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Female Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 2185 DATE OF DEATH: 4-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2194 DATE OF DEATH: 5-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Female Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 2123 DATE OF DEATH: 2-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2124 DATE OF DEATH: 3-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Subiculum	Hippocampus, CA1
Hippocampus, CA2	Hippocampus, CA3	Dentate Gyrus
Thalamus	Hypothalamus	Anterior Commissure
Corpus Callosum	External Capsule	Internal Capsule
Fornix	Midbrain	Substantia Nigra
Cerebral Peduncle	Cerebellar Cortex	Cerebellar nuclei
Cerebellar White Matter	Cerebellar Peduncles	Pons
Vestibular Nucleus	Medulla Oblongata	Pyramids
Trigeminal Tract		

The following tissues/anatomic sites are missing microscopically:
Septal Nuclei

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Female Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 2140 DATE OF DEATH: 3-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2143 DATE OF DEATH: 3-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Day 12 Female Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 2193 DATE OF DEATH: 5-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

ANIMAL ID: 2198 DATE OF DEATH: 5-NOV-97 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Day 12 Postpartum Rats

QUALITY ASSURANCE STATEMENT

Consultant Pathologist: R. H. Garman, DVM

The following internal inspections were conducted to assure procedural quality and accuracy of data handling and reporting of results:

Inspection	Dates Performed
1. Accuracy of microslide labelling.	5/01/98
2. Quality of microslide preparations.	5/01/98
3. Comparison of microslides and corresponding blocks.	5/01/98

In addition, the following inspections were conducted by an independent Quality Assurance Monitor, and the results of these inspections were reported to the Pathologist and to the Sponsor's Representative:

Inspections Performed	Date Performed and Reported to Pathologist	Date Reported To Sponsor's Representative
1. Records of the above internal inspections.	5/25/98 to 6/17/98	6/19/98
2. Raw data, final report.	5/25/98 to 6/17/98	6/19/98
3. Revised final report.	6/17/98	6/19/98

Denise L. Fait 6/29/98

Denise L. Fait, B.S. Date
Quality Assurance Consultant

APPENDIX Q

NEUROHISTOLOGY AND MORPHOLOGY - POSTPARTUM DAY 82 to 85

CONSULTANTS IN VETERINARY PATHOLOGY

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NEUROPATHOLOGY REPORT

PROTOCOL 1613-002

SPONSOR'S STUDY NUMBER: 7757A210-1096-25F

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Adult (Day 82-85 Postpartum) Rats

TESTING FACILITY

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044-1297

STUDY SPONSOR

Man Tech Geo-Centers Joint Venture
Man Tech Environmental Technology, Inc.
P.O. Box 31009
Dayton, Ohio 45437-0009

(34 Pages)

COMPLIANCE WITH GOOD LABORATORY PRACTICE STANDARDS

Those portions of this study which were performed at the laboratory of Consultants in Veterinary Pathology were conducted in compliance with the appropriate sections of the following Good Laboratory Practice Standards: 1) United States Environmental Protection Agency (1996). Health Effects Test Guidelines; Developmental Neurotoxiciety Study. Office of Prevention, Pesticides and Toxic Substandes (OPPTS) 870.6300, June 1996; 2) U.S. Environmental Protection Agency. Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA); Good Laboratory Practice Standares; Final Rule. 40 CFR Part 160. 3) U.S. Environmental Protection Agency. Toxic Substances Control Act (TSCA); Good Laboratory Practice Standards; Final Rule. 40 CFR Part 792.

Robert H. Garman 6-29-98

Robert H. Garman, DVM — Date
Diplomate, ACVP

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Adult (Day 82-85 Postpartum) Rats

TABLE OF CONTENTS

	Page
Good Laboratory Practice Standards Compliance Statement.	1
Summary.	3
Introduction	3
Materials and Methods.	3
Results and Discussion	6
Conclusion	6
References	7
Table 1 - Brain Weights and Morphometry Data - for F_1 Generation Adult Male Rats	8
Table 2 - Brain Weights and Morphometry Data - for F_1 Generation Adult Female Rats	9
Table 3 - Neuropathology Summary Data for F_1 Generation Adult Male Rats.	10
Table 4 - Neuropathology Summary Data for F_1 Generation Adult Female Rats.	16
Table 5 - Individual Neuropathology Data for F_1 Generation Adult Male Rats.	22
Table 6 - Individual Neuropathology Data for F_1 Generation Adult Female Rats.	28
Quality Assurance Statement.	34

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Adult (Day 82-85 Postpartum) Rats

SUMMARY

Morphometric and neurohistologic evaluations were performed on 12 male and 12 female adult (day 82-85 postpartum) Crl:CD®BR VAF/Plus® (Sprague Dawley) rats. These rats had the potential for exposure to ammonium perchlorate *in utero* and during the neonatal period by lactational exposure. The dams of these rats had received the test material in the drinking water, beginning on day 0 of presumed gestation and continuing through day 10 of lactation. There were five target maternal dosage levels as follows: 0, 0.1, 1.0, 3.0 and 10.0 mg/kg/day.

Brain weights and gross and microscopic morphometric measurements were taken on the brains of 6 rats/sex in each of the control and high dose groups. Neurohistologic evaluations were performed on the brains, spinal cords, Gasserian ganglia, spinal nerve roots with associated dorsal root ganglia, and peripheral nerves.

For the adult male rats in the high dose group, there were statistically significant increases in brain weights and in the thicknesses of the frontal cortex and corpus callosum, as well as in the cross sectional width of the caudate putamen. However, no differences in brain weights or any of the morphometric parameters are present for the adult female rats. Increases in brain weights or in selected linear morphometric measurements are not considered to represent neurotoxic effects. Furthermore, no neuropathologic alterations were detected in any of the sections of the central or peripheral nervous systems from any rat. It is concluded that the high dose of 10 mg/kg/day is a no-observable-effect level for developmental neuropathologic alterations in rats under the conditions of this study.

INTRODUCTION

The evaluated animals were all F_1 generation Sprague Dawley (Crl:CD®BR VAF/Plus®) rats that were part of a neurobehavioral developmental study designed to evaluate the effects of possible *in utero* and lactational exposure to the test chemical. This report details the materials and methods followed for the morphometry and neuropathology portions of this study and includes data for 24 rats that were necropsied on postpartum day 82-85 (6/sex in each of the high dose and control groups).

MATERIALS AND METHODS

Study Overview and Group Assignments:

The evaluated animals were all F_1 generation Sprague Dawley rats. The test substance had been provided in the drinking water from day 0 of presumed gestation to day 10 of lactation. The concentrations in the drinking water were designed to provide the following target maternal dosage levels: 0, 0.1, 1.0, 3.0 and 10.0 mg/kg/day.

Dissection, Trimming, and Histotechnical Procedures:

The brains from the evaluated adult (day 82-85 postpartum) rats had been perfusion-fixed with 10% neutral buffered formalin (NBF) at the Testing Facility (Argus Research Laboratories, Inc.). These brains were received in NBF, along with the hind legs and vertebral columns. The brains were intact and still within the cranial vaults, but the calvaria covering the dorsum of the brains had already been removed to enhance fixation. The brains were removed, and two linear measurements were taken of each brain using a Vernier caliper. These

measurements were: 1) the length of the cerebrum from the anterior to posterior pole, exclusive of the olfactory bulbs and 2) a linear measurement of the cerebellum extending from the anterior edge of the cerebellar cortex to the posterior pole. Both of these measurements were in millimeters. NOTE: The individual performing these gross measurements was "blinded" as to the dose group assignments. Subsequent to the performance of these gross measurements, the brains were weighed.

After the brains were measured and weighed, they were divided in a standardized fashion into nine coronal slices (see details, below). The olfactory bulbs were also processed, resulting in a total of 11 sections from each brain. The multiple coronal brain slices were prepared as follows:

Cut #1 - Just posterior to the olfactory bulbs. These lobes were laid in Cassette #1 with their medial surfaces down.
Cut #2 - Midway between the optic chiasm and the plane of the first slice.
Cut #3 - Through the optic chiasm.
Cut #4 - Through the median eminence.
Cut #5 - At the posterior edge of the mammillary body.
Cut #6 - Just in front of the anterior edge of the pons.
Cut #7 - Just anterior to the middle of the cerebellar cortex.
Cut #8 - Through the posterior portion of the cerebellar cortex.
Cut #9 - Through the anterior portion of the medulla.

Cuts #1 - #6 were made from the ventral aspect of the brain, and cuts #7 - 9 from the dorsal aspect of the brain. For all sections other than for the olfactory lobes, the anterior face of each section was placed down into the tissue cassette (thus representing the face which was sectioned with the microtome). Each brain slice was approximately 2 - 3 mm in thickness. The coronal slices and olfactory bulbs were placed into two cassettes, with the slices from the anterior portion of the brain being in Cassette #1 and the sections from the posterior portion of the brain being in Cassette #2.

After removal of the brain, the Gasserian ganglia and associated trigeminal nerve tissue were removed from the floor of the cranial vault, using a rongeur and a #11 scalpel blade. Both ganglia were placed into Cassette #3, resulting in longitudinal sections of these structures.

The vertebral columns were received in NBF with the dorsal arches (cervical to lumbar region) already having been removed. Additional bone was trimmed away with a rongeur, and the soft tissue around the dorsal spinal nerve roots was trimmed away with a #11 scalpel blade. The cord was then lifted out of the spinal canal with the spinal nerve roots and ganglia attached. As the cord was lifted out (starting in the lumbar region and progressing to the cervical region), the spinal nerves were severed from their more distal attachments using a microdissection scissors. After the spinal cord was removed, the dorsal and ventral nerve roots (including the dorsal root ganglia) were removed and placed into Cassette #4. For the spinal cord, cross sections were taken from each of the cervical and lumbar swellings and from the mid-thoracic cord. One horizontal and one paramedian sagittal section were also taken of the cervical cord. These sections were placed into Cassette #5.

The sciatic nerve and its branches were removed from one of the hind legs. Cross and longitudinal sections of the sciatic nerve and tibial nerve were taken, as well as longitudinal sections of both the common peroneal (fibular) and the sural nerves. The sciatic nerve sections and the cross section of the tibial nerve were placed into Cassette #6. The longitudinal sections of the tibial, fibular and sural nerves were placed into Cassette #7.

The sections of brain, spinal cord, Gasserian ganglia, nerve roots, and dorsal root ganglia were all embedded in paraffin. Sections of the peripheral nerves were embedded in glycol methacrylate. Five micrometer sections were prepared from the paraffin tissue blocks, and these were stained with hematoxylin and eosin, luxol fast blue/cresyl violet and the Bielschowsky's technique. Two different levels were prepared on each block

containing the spinal nerve roots, resulting in six slides (including the special stains) from Block #4. The glycol methacrylate blocks were sectioned at two micrometers and stained with hematoxylin and eosin, toluidine blue, and the Bielschowsky's technique.

The block list for the evaluated tissues is as follows:

Paraffin-embedded tissues:

Block 1: Anterior half of the brain.
Block 2: Posterior half of the brain.
Block 3: Longitudinal sections of the Gasserian ganglia and associated trigeminal nerve.
Block 4: Longitudinal sections of the dorsal root ganglia and spinal nerve roots.
Block 5: Cross and longitudinal sections of the spinal cord.

Glycol methacrylate-embedded tissues:

Block 6: Cross and longitudinal sections of the sciatic nerve and cross section of the tibial nerve.
Block 7: Longitudinal sections of the common peroneal (fibular), tibial, and sural nerves.

Morphometric Procedures:

After the brain slices had been processed, sectioned, stained, coverslipped and appropriately labelled, the slide labels were covered with opaque tape, the slides randomized, and each rat assigned a letter code so that the morphometric measurements could be performed in blinded fashion. The animal ID and dose group assignments were also covered on the forms used to record the morphometric measurements, with only the letter designation for the individual animal being visible to the pathologist at the time that these morphometric data were recorded. The order of evaluation of the randomized slides was from the lowest to the highest letter, and the measurements were performed on the H&E-stained sections. Eight linear morphometric measurements were taken on each of the 24 brains (six brains/sex from each of the maternal high dose and control groups). As indicated, above, two of the eight measurements were taken from the intact brains prior to trimming and processing. The other six were taken from the histologic sections using a calibrated ocular micrometer. These six microscopic morphometric measurements are as follows:

1) Thickness of the frontal cortex. This measurement was of the dorsal portion of the cerebral cortex within the coronal section passing through the optic chiasm and was taken at a magnification of 40x.
2) Thickness of the parietal cortex. This measurement was of the dorsolateral portion of the cerebral cortex within the coronal section taken through the optic chiasm. This measurement was also taken at a magnification of 40x.
3) Diagonal width (maximum cross sectional width) of the caudate-putamen and underlying globus pallidus. This measurement was also performed on the coronal section taken at the level of the optic chiasm but was taken at a magnification of 20x.
4) Thickness of the corpus callosum at its mid point within the section taken at the level of the optic chiasm. This measurement was taken at a magnification of 100x.
5) Thickness of the hippocampal gyrus. This measurement was performed on the dorsolateral portion of the dentate gyrus within the section taken just posterior to the mammillary body. Measurements were taken from the hippocampus from both sides of this brain slice and the median value recorded. This measurement was taken at a magnification of 40x.
6) Height of the cerebellum at the level of the deep cerebellar nuclei, including lobes 1 - 6 and extending from the roof of the fourth ventricle to the dorsal surface. (This is the maximum height of the cerebellum.) This measurement was taken at a magnification of 20x.

The gross AP micrometric measurements of the cerebrum and cerebellar cortex are expressed in millimeters. The microscopic micrometric measurements were multiplied by appropriate factors to yield dimensions in micrometers.

Microscopic Evaluations:

Microscopic findings were recorded on a PC-based computer program (GLPATH; "Great Laboratory ProgramS"). The neuropathology computer program for the Day 82-85 rats was formatted to require an input for 47 different neuroanatomic areas on each rat. However, all neuroanatomic areas in every section were examined microscopically, and other areas would have been entered into the database if lesions had been encountered in these locations. If one of the 47 neuroanatomic areas was missing on microscopic examination, a recut was performed on the appropriate tissue block in order to find this area. The pineal gland was documented when present but was not sought after in those rats where it was not found within the appropriate sections. After the microscopic evaluation was completed on an individual rat, data sheets were printed which included all of the microscopic findings for that rat. These sheets were dated and signed by the pathologist and retained as supplemental raw data.

Statistical Evaluations:

Frequencies of neuropathologic findings are compared using a Fisher's exact test. Mean brain weights and group means for morphometric measurements are compared by a single-factor analysis of variance.

RESULTS AND DISCUSSION

Morphometric Measurements:

Brain weight and morphometry data for the adult male rats are presented in Table 1. Similar data for the adult female rats are presented in Table 2. For the adult male rats in the high dose group, there were statistically significant increases in brain weights and in the thicknesses of the frontal cortex and corpus callosum, as well as in the cross sectional width of the caudate putamen. However, these increases are rather minimal in degree, and no differences in brain weights or in any of the morphometric parameters are present for the adult female rats. Increased brain weights or slight increases in selected linear dimensions are not considered to represent neurotoxic effects in the absence of associated histologic alteration.

Microscopic Findings:

The histopathologic data for the brains evaluated microscopically are presented in Table 3 for the male rats and in Table 4 for the females. The individual animal data for these rats are presented in Table 5 (male rats) and Table 6 (female rats).

Occasional degenerating nerve fibers are usually found within the central and peripheral nervous system sections of rats that are slightly older in age than those on this study (*e.g.* rats from three-month studies which average about 30 weeks of age).[1] However, no such microscopic abnormalities were present within any of the nervous system sections evaluated from the rats on this study. Furthermore, no neuropathologic alterations were found in any of the central and peripheral nervous system sections from rats exposed *in utero* or *via* lactation to the ammonium perchlorate.

CONCLUSION

Although slight increases (*vs.* the control group) were noted in brain weights and in several morphometric measurements for the high dose adult male group, these differences are considered to most likely represent random variation and do not suggest a neurotoxic effect. Furthermore, no neuropathologic alterations were

found in either the male or female rats from the maternal high dose group. There is, therefore, no evidence that exposure to the ammonium perchlorate, both *in utero* and during the postnatal lactational period and under the conditions of this study, produced any neuropathologic effects.

Robert H. Garman 6-29-98

Robert H. Garman, DVM Date
Diplomate, ACVP

REFERENCES

1) Eisenbrandt, DL, Mattson, JL, Albee, RR, Spencer, PJ, and Johnson, KA (1990). Spontaneous lesions in subchronic neurotoxicity testing of rats. *Toxicology Pathology* 18:154-164.

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TABLE 1
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking to Rats
Brain Weights and Morphometry Data for F_1 Generation Adult Male Rats

Rat Number	Brain Weight	Ant/Post cerebrum	Ant/Post cerebellum	Frontal Cortex	Parietal Cortex	Caudate Putamen	Corpus Callosum	Hippo. Gyrus	Cerebellum
MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY						
1502	2.432	16.6	7.0	1656	1680	2544	211	1608	4896
1508	2.227	16.0	6.2	1680	1680	2976	288	1656	5040
1536	2.443	16.1	6.1	1752	1920	2832	259	1752	4944
1550	2.395	17.0	6.3	1632	1800	2880	202	1752	4608
1562	2.334	17.1	5.8	1680	1776	3168	259	1704	4800
1567	2.442	16.2	6.2	1560	1800	3120	240	1704	5328
MEAN	2.379	16.500	6.267	1660.000	1776.000	2920.000	243.167	1696.000	4936.000
SD	0.085	0.473	0.398	63.347	89.800	225.991	32.406	56.114	241.754
MATERNAL DOSAGE GROUP V			10 MG/KG/DAY						
1523	2.439	16.6	6.4	1920	1968	3216	317	1704	5520
1540	2.461	16.2	6.3	1896	1872	3660	307	1632	5280
1541	2.532	17.0	6.3	1920	1944	3264	336	1728	5232
1543	2.472	16.3	6.5	1680	1824	2880	230	1680	4560
1573	2.434	16.5	6.0	1704	1704	3216	307	1680	4752
1584	2.478	17.0	6.2	1752	1752	3072	269	1704	5040
MEAN	2.469	16.600	6.283	1812.000	1844.000	3218.000	294.333	1688.000	5064.000
SD	0.035*	0.341	0.172	112.314**	104.522	258.088*	38.344*	32.790	356.301

FOOTNOTES: Brain weights are in grams. The anterior to posterior dimensions of the cerebrum and cerebellum are in millimeters. All other parameters are linear measurements in micrometers. Ant/Post = anterior to posterior; Hippo. = Hippocampal;

* $p \leq 0.05$; ** $p \leq 0.01$

TABLE 2
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking to Rats
Brain Weights and Morphometry Data for F_1 Generation Adult Female Rats

Rat Number	Brain Weight	Ant/Post cerebrum	Ant/Post cerebellum	Frontal Cortex	Parietal Cortex	Caudate Putamen	Corpus Callosum	Hippo. Gyrus	Cerebellum
MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY						
1857	2.037	15.2	6.0	1656	1680	3120	307	1584	4848
1862	2.131	15.8	5.2	1680	1776	2784	240	1728	4320
1868	2.214	15.8	6.0	1656	1632	3024	298	1632	4704
1877	2.295	15.8	6.8	1680	1704	3024	307	1512	5232
1881	2.089	15.2	5.7	1656	1560	2880	259	1464	4800
1886	2.138	15.3	5.7	1440	1680	2592	240	1560	5040
MEAN	2.151	15.517	5.767	1628.000	1672.000	2904.000	275.167	1580.000	4824.000
SD	0.092	0.313	0.314	92.848	72.266	193.792	32.505	92.848	310.705
MATERNAL DOSAGE GROUP V			10 MG/KG/DAY						
1827	2.351	16.7	6.0	1656	1728	3072	336	1488	4992
1828	2.120	15.5	5.6	1656	1728	2736	259	1656	4848
1840	2.103	16.0	5.5	1680	1680	2928	288	1536	5184
1866	1.960	15.0	5.5	1608	1680	2592	230	1608	4896
1888	2.161	16.2	5.6	1488	1680	2736	211	1608	5184
1898	2.248	16.0	5.4	1704	1800	2640	211	1632	5280
MEAN	2.157	15.900	5.600	1632.000	1716.000	2784.000	255.833	1588.000	5064.000
SD	0.133	0.587	0.210	77.398	47.396	182.147	49.313	63.347	176.363

FOOTNOTES: Brain weights are in grams. The anterior to posterior dimensions of the cerebrum and cerebellum are in millimeters. All other parameters are linear measurements in micrometers. Ant/Post = anterior to posterior; Hippo. = Hippocampal;

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Piriform Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Frontal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Entorhinal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cingulate Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Retrosplenial Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Parietal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Temporal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Occipital Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Caudate Nucleus/Putamen					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Globus Pallidus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Amygdala					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Olfactory Bulb					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Optic Nerve/Chiasm					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Septal Nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Subiculum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA1					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA2					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA3					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Dentate Gyrus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Thalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hypothalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Anterior Commissure					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Corpus Callosum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
External Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Internal Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Fornix					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Midbrain					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Substantia Nigra					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebral Peduncle					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar White Matter					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Peduncles					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Pons					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Vestibular Nucleus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Medulla Oblongata					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Pyramids					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Trigeminal Tract					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Cord, Cervical					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Cord, Thoracic					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Cord, Lumbar					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Nerve Roots					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Dorsal Root Ganglia					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Gasserian Ganglia					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Sciatic Nerve					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 3
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Male Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Tibial Nerve					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Peroneal/Sural Nerve					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Pineal Gland					
Number of Tissues Examined	5	0	0	0	5
Microscopically Normal	5	-	-	-	5

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Piriform Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Frontal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Entorhinal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cingulate Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Retrosplenial Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Parietal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Temporal Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Occipital Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Caudate Nucleus/Putamen					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Globus Pallidus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Amygdala					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Olfactory Bulb					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Optic Nerve/Chiasm					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Septal Nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Subiculum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA1					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA2					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hippocampus, CA3					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Dentate Gyrus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Thalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Hypothalamus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Anterior Commissure					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Corpus Callosum					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
External Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Internal Capsule					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Fornix					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Midbrain					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Substantia Nigra					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebral Peduncle					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Cortex					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar nuclei					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar White Matter					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Cerebellar Peduncles					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Pons					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Vestibular Nucleus					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Medulla Oblongata					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Pyramids					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Trigeminal Tract					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Cord, Cervical					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Cord, Thoracic					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Cord, Lumbar					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Spinal Nerve Roots					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Dorsal Root Ganglia					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Gasserian Ganglia					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Sciatic Nerve					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 4
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Neuropathology Summary Data for F_1 Generation Adult Female Rats

GROUP:	1	2	3	4	5
Number of animals included	6	0	0	0	6
Tibial Nerve					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Peroneal/Sural Nerve					
Number of Tissues Examined	6	0	0	0	6
Microscopically Normal	6	-	-	-	6
Pineal Gland					
Number of Tissues Examined	5	0	0	0	5
Microscopically Normal	5	-	-	-	5

Group Legend: 1 is 0 MKD, 2 is 0.1 MKD, 3 is 1.0 MKD, 4 is 3.0 MKD, 5 is 10.0 MKD [MKD = mg/kg/day]
Statistics performed using Fisher's exact (1-tail)
None significantly different from GROUP 1

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Male Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 1502 DATE OF DEATH:12-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1508 DATE OF DEATH:12-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Male Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 1536 DATE OF DEATH:13-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1550 DATE OF DEATH:14-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Male Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 1562 DATE OF DEATH:14-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1567 DATE OF DEATH:15-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Male Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 1523 DATE OF DEATH:12-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1540 DATE OF DEATH:12-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Male Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 1541 DATE OF DEATH:13-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1543 DATE OF DEATH:14-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 5
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Male Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 1573 DATE OF DEATH:15-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	

ANIMAL ID: 1584 DATE OF DEATH:15-JAN-98 MALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Female Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 1857 DATE OF DEATH:12-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1862 DATE OF DEATH:12-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Female Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 1868 DATE OF DEATH:13-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	

ANIMAL ID: 1877 DATE OF DEATH:13-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Female Rats

Group: 0 MG/KG/DAY

ANIMAL ID: 1881 DATE OF DEATH:14-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1886 DATE OF DEATH:15-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Female Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 1827 DATE OF DEATH:12-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	

ANIMAL ID: 1828 DATE OF DEATH:12-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Female Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 1840 DATE OF DEATH:13-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1866 DATE OF DEATH:14-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

TABLE 6
A Neurobehavioral Developmental Study of Ammonium Perchlorate
Administered Orally in Drinking Water to Rats
Individual Neuropathology Data for F_1 Generation Adult Female Rats

Group: 10.0 MG/KG/DAY

ANIMAL ID: 1888 DATE OF DEATH:14-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

ANIMAL ID: 1898 DATE OF DEATH:15-JAN-98 FEMALE SCHEDULED SACRIFICE

TISSUE/ANATOMIC SITE	DIAGNOSES	GROSS/MICRO CORRELATE
The following tissues/anatomic sites are microscopically normal:		
Piriform Cortex	Frontal Cortex	Entorhinal Cortex
Cingulate Cortex	Retrosplenial Cortex	Parietal Cortex
Temporal Cortex	Occipital Cortex	Caudate Nucleus/Putamen
Globus Pallidus	Amygdala	Olfactory Bulb
Optic Nerve/Chiasm	Septal Nuclei	Subiculum
Hippocampus, CA1	Hippocampus, CA2	Hippocampus, CA3
Dentate Gyrus	Thalamus	Hypothalamus
Anterior Commissure	Corpus Callosum	External Capsule
Internal Capsule	Fornix	Midbrain
Substantia Nigra	Cerebral Peduncle	Cerebellar Cortex
Cerebellar nuclei	Cerebellar White Matter	Cerebellar Peduncles
Pons	Vestibular Nucleus	Medulla Oblongata
Pyramids	Trigeminal Tract	Spinal Cord, Cervical
Spinal Cord, Thoracic	Spinal Cord, Lumbar	Spinal Nerve Roots
Dorsal Root Ganglia	Gasserian Ganglia	Sciatic Nerve
Tibial Nerve	Peroneal/Sural Nerve	Pineal Gland

A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats

Neuropathology Report on F_1 Adult (Day 82-85 Postpartum) Rats

QUALITY ASSURANCE STATEMENT

Consultant Pathologist: R. H. Garman, DVM

The following internal inspections were conducted to assure procedural quality and accuracy of data handling and reporting of results:

Inspection	Dates Performed
1. Accuracy of microslide labelling.	5/01/98
2. Quality of microslide preparations.	5/01/98
3. Comparison of microslides and corresponding blocks.	5/01/98

In addition, the following inspections were conducted by an independent Quality Assurance Monitor, and the results of these inspections were reported to the Pathologist and to the Sponsor's Representative:

Inspections Performed	Date Performed and Reported to Pathologist	Date Reported To Sponsor's Representative
1. Records of the above internal inspections.	5/25/98 to 6/17/98	6/19/98
2. Raw data, final report.	5/25/98 to 6/17/98	6/19/98
3. Revised final report.	6/17/98	6/19/98

Denise L. Fait 6/29/98

Denise L. Fait, B.S. Date
Quality Assurance Consultant

APPENDIX R

QUALITY ASSURANCE UNIT FINAL REPORT STATEMENT

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-8710 F: (215) 443-8587

QUALITY ASSURANCE UNIT FINAL REPORT STATEMENT

Study Director: Raymond G. York, Ph.D., DABT

Executive Director of Research: Mildred S. Christian, Ph.D., ATS

Protocol 1613-002: A Neurobehavioral Developmental Study of Ammonium Perchlorate Administered Orally in Drinking Water to Rats
Sponsor's Study Number: 7757A210-1096-25F

The draft protocol for this study was audited for adherence to U.S. Environmental Protection Agency (FIFRA) Good Laboratory Practice Standards and U.S. Environmental Protection Agency (TSCA) Good Laboratory Practice Standards on 02 SEP 97.

Critical phases of this study were inspected 20 times; study information and raw data were audited five times (see tables 1 and 2 for dates and phases/data).

The draft final report excluding those appendices provided to Argus Research Laboratories, Inc. from the Sponsor and the raw data for this study were compared and audited for accuracy, for adherence to protocol requirements, and for adherence to U.S. Environmental Protection Agency (FIFRA) Good Laboratory Practice Standards and U.S. Environmental Protection Agency (TSCA) Good Laboratory Practice Standards between 24 MAR 98 and 30 APR 98 and for revisions requested by the Sponsor and finalization on 10 JUN 98 through 30 JUN 98.

This study was conducted according to U.S. Environmental Protection Agency (FIFRA) Good Laboratory Practice Standards and U.S. Environmental Protection Agency (TSCA) Good Laboratory Practice Standards.

Laurie A Veneziale 30 Jun 98
for Kathleen A. Moran, M.S. Date
Manager of Regulatory Compliance

Laurie A Veneziale 30 Jun 98
Laurie A. Veneziale, B.S. Date
Quality Assurance Auditor
and Principal Auditor

TABLE 1

CRITICAL PHASES INSPECTED

Cohabitation

Date of inspection: 02 OCT 97

Date results reported to the Study Director and Management: 03 OCT 97

Test Substance Administration - Water Consumption

Date of inspection: 13 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Natural Delivery/Litter Observations

Date of inspection: 24 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Culling Pup Sacrifice: Day 5

Date of inspection: 28 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Blood Collection - Day 5 Pups

Date of inspection: 28 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Necropsy - Day 10 Dams

Date of Inspection: 31 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Blood Collection - Day 10 Dams

Date of inspection: 31 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Test Substance Preparation

Date of inspection: 31 OCT 97

Date results reported to the Study Director and Management: 06 NOV 97

Necropsy - Day 12 Pups

Date of inspection: 04 NOV 97

Date results reported to the Study Director and Management: 06 NOV 97

Necropsy - Day 22 Dams

Date of inspection: 14 NOV 97

Date results reported to the Study Director and Management: 01 DEC 97

Behavioral Testing - Auditory Startle

Date of inspection: 14 NOV 97

Date results reported to the Study Director and Management: 01 DEC 97

Behavioral Testing - Motor Activity

Date of inspection: 14 NOV 97

Date results reported to the Study Director and Management: 01 DEC 97

Weaning - Day 22

Date of inspection: 14 NOV 97

Date results reported to the Study Director and Management: 01 DEC 97

Behavioral Testing - Passive Avoidance

Date of inspection: 17 NOV 97

Date results reported to the Study Director and Management: 01 DEC 97

Sexual Maturation - Vaginal Patency

Date of inspection: 25 NOV 97

Date results reported to the Study Director and Management: 01 DEC 97

Sexual Maturation - Preputial Separation

Date of inspection: 10 DEC 97

Date results reported to the Study Director and Management: 11 DEC 97

Behavioral Testing - Watermaze

Date of inspection: 30 DEC 97

Date results reported to the Study Director and Management: 09 JAN 98

Scheduled Sacrifice - Subset 3

Date of inspection: 30 DEC 97

Date results reported to the Study Director and Management: 09 JAN 98

Perfusion Necropsy and Gross Dissection

Date of inspection: 14 JAN 98

Date results reported to the Study Director and Management: 19 JAN 98

Necropsy - Regional Brain Weights

Date of inspection: 15 JAN 98

Date results reported to the Study Director and Management: 19 JAN 98

TABLE 2

RAW DATA AUDIT(S)

The following study information and raw data were audited on 05 FEB 98, 16 FEB 98:

Auditory startle.
Passive avoidance.
Watermaze.
Edit requests.
Motor activity.

The results of this audit were reported to the Study Director and Management on 17 FEB 98.

The following study information and raw data were audited from 09 FEB 98 to 18 FEB 98:

Protocol.
Protocol amendments.
List of personnel.
Animal receipt, randomization, physical examination and acclimation.
In-life transaction record.
Cohabitation.
Natural delivery observations.
Litter observations.
Pup body weights and status.
Water Consumption
Feed consumption.
Table of random units.
Blood collection data and packing lists.
Necropsy.
Organ weights.
Tissue packing lists.
Male breeder colony records.
Edit requests.
Deviations.

The results of this audit were reported to the Study Director and Management on 19 FEB 98.

The following study information and raw data were audited from 18 FEB 98 to 21 FEB 98:

Veterinary examination.
In-life transaction record.
Feed consumption.
Assignment to subset.
Sexual maturation.
Table of random units
Brain weights.
Blood collection data and packing lists.
Regional Brain Weights.
Necropsy.
Organ weights.
Tissue packing lists.
Edit requests.

The results of this audit were reported to the Study Director and Management on 24 FEB 98.

The following study information and raw data were audited on 20 FEB 98, 23 FEB 98, 24 FEB 98:

Veterinary examination.
In-life transaction record.
Feed consumption.
Sexual maturation.
Table of random units.
Brain weights.
Blood collection data and packing lists.
Regional brain weights.
Necropsy.
Organ weights.
Tissue packing lists.
General comments.
Study maintenance records.
Temperature and relative humidity reports.
Data review page.
Edit requests.
Feed, water and bedding analyses.

The results of this audit were reported to the Study Director and Management on 24 FEB 98.

The following study information and raw data were audited on 24 FEB 98, 25 FEB 98, 09 MAR 98:

Test substance receipt, preparation and use.
Test substance packing lists.

The results of this audit were reported to the Study Director and Management on 11 mar 98.