Comparison of Tucson, Columbia Falls and Alcoa Analyses
of Reynolds, Kwinana and Alpart MGA Samples

Analysis	Alpart Tucson	C.F.	Alcoa*	Reynolds Tucson	C.F.	Alcoa	Kwinana Tucson	C.F.	Alcoa
Free Moisture 300°C	2.1	1.68	0.83 / 0.91	1.9	1.62	0.78	3.0	2.06	0.65
LOI 1000°	1.1	0.93	-	0.94	1.33	-	0.74	0.94	-
1200°	-	1.35	2.06 / 2.03	-	1.48	2.03	-	1.22	2.77
% α-Al_2O_3	11.5	12	9.6 / 9.6	28	20	21.0	8	14	9.8
Dust Index	-	0.72	-	-	1.02	-	-	1.28	-
Attrition Index		42.03	39/40		21.06	26		7.58	9
B.E.T.	85.6	83.4	69 / 77	85.5	96.8	85	51.6	55.0	49
Angle of Repose	32	33	35 / 34	34	34	35	36	35	37
-325 Mesh	4.84	9.11	6/6	11.76	12.22	10	8.49	9.24	8
Bulk Density:									
Loose		59.66	-		56.42	-		60.93	-
Packed		68.93	-		65.72	-		73.08	-
Na_2O	0.6	0.30	0.48 / 0.50	0.6	0.36	0.58	0.75	0.67	0.62
SiO_2	0.02	0.023	0.006 / 0.005	0.03	0.023	0.015	0.06	0.016	0.031
Fe_2O_3	0.008	0.008	0.008 / 0.009		0.007	0.008	0.01	0.016	0.015
TiO_2	-	<0.001	0.001 / 0.001	-	<0.001	0.001	-	0.004	0.003
ZnO	<0.006	0.016	0.015 / 0.015	<0.006	0.016	0.014	<0.006	<0.001	0.000
MnO	<0.001	0.002	0.001 / 0.001	<0.001	0.002	0.001	<0.001	<0.001	0.000
CaO	0.01	0.034	0.039 / 0.042	0.007	0.017	0.014	0.02	0.042	0.047
P_2O_5	0.001	<0.001	-	<0.001	<0.001	-	0.001	<0.001	-
S	0.1	0.045	-	0.02	0.013	-	0.08	0.054	-
Ga_2O_3	-	-	0.009 / 0.009	-	-	0.010	-	-	0.009

*Duplicate analyses were run.