Delta
Air Quality Services, Incorporated

September 13, 2016
R1414221

Mr. Greg Studer
Desert View Power
62-300 Gene Welmas Drive
Mecca, CA 92254-0758

**Subject: Quarterly CGA Units 1 and 2**

Dear Greg:

This letter presents the results of the Continuous Emission Monitoring System (CEMS) quarterly test audit conducted by Dave Wonderly of Delta Air Quality Services (Delta), an affiliate of Montrose Air Quality Services, LLC (Montrose), on September 6, 2016 Delta was contracted by Desert View Power to perform this audit. The program consists of a Cylinder Gas Audit (CGA) for unit 1 and 2 on the $NO_x$, CO, $SO_2$, and $O_2$ monitors in accordance with 40 CFR Part 60 Appendix F Section 5.1.2.

The CGA comprised of challenging the entire unit CEMS, as close to the tip of the probe as possible, with NBS traceable gases of known concentration. The gases were injected at the probe through previously installed audit ports.

Two audit gases per monitor range were selected according to the requirements of Appendix F. Each monitor was challenged by each of its two gases three separate times. The accuracy was calculated two ways. By the percent difference between the actual known gas concentration and the average value read by the monitor, and the difference in ppm from actual known gas concentration and the average value read by the monitor. Results are shown in the attached tables (Tables 1 and 2),

The results of the CGA demonstrate that the CEMS was operating within the EPA quality assurance specification of either 15% accuracy or 5 ppm difference for all parameters. All data, including gas bottle certifications and monitor response data sheets, are provided as an attachment. If you have any questions or comments, please do not hesitate to call me at 714-279-6777.

Sincerely,

Dave Wonderly
Program Manager

DW/rcr
Attachments

TABLE 1
CYLINDER GAS AUDIT RESULTS
UNIT 1
DESERT VIEW POWER
SEPTEMBER 6, 2016

| Parameter | Accuracy, % of Gas Value | Accuracy Acceptance Criteria | Difference From Gas Value, ppm | Difference Acceptance Criteria | Status* |
|---|---|---|---|---|---|
| $SO_2$ Low Range (mid span) | -3.5% | 15% | -0.97 | 5 ppm | Pass |
| $SO_2$ Low range (low span) | -1.7% | 15% | -0.20 | 5 ppm | Pass |
| $NO_x$ Low range (mid span) | 1.3% | 15% | 0.76 | 5 ppm | Pass |
| $NO_x$ Low range(low span) | 3.0% | 15% | 0.75 | 5 ppm | Pass |
| CO Low Range (mid span) | -2.8% | 15% | -1.58 | 5 ppm | Pass |
| CO Low Range (low span) | -7.8% | 15% | -1.94 | 5 ppm | Pass |
| $O_2$ (mid span) | | | | N/A | Pass |
| $O_2$ (low span) | 0.2% | 15% | N/A | N/A | Pass |
| | 1.2% | 15% | N/A | | |
| $SO_2$ High Range (mid span) | | | | 5 ppm | Pass |
| $SO_2$ High Range (low span) | -0.9% | 15% | -2.53 | 5 ppm | Pass |
| | 2.9% | 15% | 3.64 | | |
| $NO_x$ High Range (mid span) | | | | 5 ppm | Pass |
| $NO_x$ High Range (low span) | 1.5% | 15% | 4.02 | 5 ppm | Pass |
| | 2.4% | 15% | 2.92 | | |
| CO High Range (mid span) | | | | 5 ppm | Pass |
| CO High Range (low span) | -2.2% | 15% | -6.12 | 5 ppm | Pass |

* Pass if accuracy less than 15% or within 5 ppm and $O_2$ accuracy is less than 15%

**TABLE 2**
**CYLINDER GAS AUDIT RESULTS**
**UNIT 2**
**DESERT VIEW POWER**
**SEPTEMBER 6, 2016**

| Parameter | Accuracy, % of Gas Value | Accuracy Acceptance Criteria | Difference From Gas Value, ppm | Difference Acceptance Criteria | Status* |
|---|---|---|---|---|---|
| $SO_2$ Low Range (mid span) | -11.5% | 15% | -3.19 | 5 ppm | Pass |
| $SO_2$ Low range (low span) | -17.4% | 15% | -2.12 | 5 ppm | Pass |
| $NO_x$ Low range (mid span) | -2.1% | 15% | -1.19 | 5 ppm | Pass |
| $NO_x$ Low range(low span) | 3.6% | 15% | 0.92 | 5 ppm | Pass |
| CO Low Range (mid span) | 0.9% | 15% | 0.49 | 5 ppm | Pass |
| CO Low Range (low span) | 0.9% | 15% | 0.22 | 5 ppm | Pass |
| $O_2$ (mid span) | | | | N/A | Pass |
| $O_2$ (low span) | 0.6% | 15% | NA | N/A | Pass |
| | 1.1% | 15% | NA | | |
| $SO_2$ High Range (mid span) | | | | 5 ppm | Pass |
| $SO_2$ High Range (low span) | -2.1% | 15% | -5.86 | 5 ppm | Pass |
| | 1.3% | 15% | 1.67 | | |
| $NO_x$ High Range (mid span) | | | | 5 ppm | Pass |
| $NO_x$ High Range (low span) | -0.2% | 15% | -0.68 | 5 ppm | Pass |
| | 1.0% | 15% | 1.24 | | |
| CO High Range (mid span) | | | | 5 ppm | Pass |
| CO High Range (low span) | -2.1% | 15% | -5.87 | 5 ppm | Pass |

* Pass if accuracy less than 15% or within 5 ppm and $O_2$ accuracy is less than 15%

# CYLINDER GAS AUDIT
# WORK SHEET

Client: DESERT VIEW POWER
Location: Mecca
Date: 9/6/2016

Unit No: 1
Data By: DW

Dat:

NORMAL RANGE

| | NOx ppm | | CO ppm | | SO2 ppm | | O2 % | |
|---|---|---|---|---|---|---|---|---|
| Reference Gas | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 |
| Concentration | 25.3 | 57.6 | 25 | 55.6 | 12.2 | 27.8 | 5.08 | 9.95 |
| Replicate | | | | | | | | |
| 1 | 25.73 | 58.51 | 23.01 | 54.03 | 11.34 | 26.90 | 5.14 | 9.97 |
| 2 | 26.12 | 58.30 | 23.20 | 53.96 | 12.18 | 26.80 | 5.15 | 9.97 |
| 3 | 26.29 | 58.27 | 22.96 | 54.08 | 12.47 | 26.78 | 5.14 | 9.97 |
| Average | 26.05 | 58.36 | 23.06 | 54.02 | 12.00 | 26.83 | 5.14 | 9.97 |
| Difference, ppm | 0.75 | 0.76 | -1.94 | -1.58 | -0.20 | -0.97 | n/a | n/a |
| Accuracy | 3.0% | 1.3% | -7.8% | -2.8% | -1.7% | -3.5% | 1.2% | 0.2% |

Client: Colmac
Location: Mecca
Date: 9/6/2016

Unit No: 1
Data By: DW

HIGH RANGE

| | NOx ppm | | CO ppm | | SO2 ppm | |
|---|---|---|---|---|---|---|
| Reference Gas | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 |
| Concentration | 124 | 274 | 130 | 274 | 124 | 274.0 |
| Replicate | | | | | | |
| 1 | 126.44 | 277.53 | 124.50 | 267.39 | 123.85 | 269.69 |
| 2 | 126.88 | 278.13 | 125.39 | 268.02 | 129.50 | 272.28 |
| 3 | 127.45 | 278.39 | 125.66 | 268.24 | 129.56 | 272.44 |
| Average | 126.92 | 278.02 | 125.18 | 267.88 | 127.64 | 271.47 |
| Difference, ppm | 2.92 | 4.02 | -4.82 | -6.12 | 3.64 | -2.53 |
| Accuracy | 2.4% | 1.5% | -3.7% | -2.2% | 2.9% | -0.9% |

Client: Colmac
Location: Mecca
Date: 9/6/2016

Unit No: 2
Data By: DW

# CYLINDER GAS AUDIT
# WORK SHEET

NORMAL RANGE

| | NOx ppm | | CO ppm | | SO2 ppm | | O2 % | |
|---|---|---|---|---|---|---|---|---|
| Reference Gas | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 |
| Concentration | 25.3 | 57.6 | 25 | 55.6 | 12.2 | 27.8 | 5.08 | 9.95 |
| Replicate | | | | | | | | |
| 1 | 26.11 | 56.77 | 25.06 | 55.99 | 9.30 | 24.43 | 5.13 | 10.01 |
| 2 | 26.28 | 55.47 | 25.45 | 56.13 | 10.35 | 24.56 | 5.14 | 10.01 |
| 3 | 26.28 | 57.00 | 25.14 | 56.14 | 10.59 | 24.85 | 5 14 | 10.01 |
| Average | 26.22 | 56.41 | 25.22 | 56.09 | 10.08 | 24.61 | 5.14 | 10.01 |
| Difference, ppm | 0.92 | -1.19 | 0.22 | 0.49 | -2.12 | -3.19 | n/a | n/a |
| Accuracy | 3.6% | -2.1% | 0.9% | 0.9% | -17.4% | -11.5% | 1.1% | 0.6% |

Client: Colmac
Location: Mecca
Date: 9/6/2016

Unit No: 2
Data By: DW

HIGH RANGE

| | NOx ppm | | CO ppm | | SO2 ppm | |
|---|---|---|---|---|---|---|
| Reference Gas | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 |
| Concentration | 124 | 274 | 130 | 274 | 124 | 274.0 |
| Replicate | | | | | | |
| 1 | 124.61 | 265.75 | 126.60 | 259.24 | 120.65 | 260.85 |
| 2 | 125.54 | 276.96 | 127.13 | 272.24 | 126.95 | 270.80 |
| 3 | 125.58 | 277.24 | 127.54 | 272.91 | 129.42 | 272.76 |
| Average | 125.24 | 273.32 | 127.09 | 268 13 | 125.67 | 268.14 |
| Difference, ppm | 1.24 | -0.68 | -2.91 | -5.87 | 1.67 | -5.86 |
| Accuracy | 1.0% | -0.2% | -2.2% | -2.1% | 1.3% | -2.1% |

# CYLINDER GAS AUDIT
# WORK SHEET

CeDAR 1-Minute Data
'6/2016 8:07 AM thru 9/6/2016 10:06 AM

| Timestamp | (Boiler 1) NOx ppm 1-Min | (Boiler 1) SO2 ppm 1-Min | (Boiler 1) CO ppm 1-Min | (Boiler 1) O2% 1-Min | (Boiler 2) NOx ppm 1-Min | (Boiler 2) SO2 ppm 1-Min | (Boiler 2) CO ppm 1-Min | (Boiler 2) O2% 1-Min |
|---|---|---|---|---|---|---|---|---|
| 9/6/2016 9.02 | 40.89 | 8.09 | 0 | 8 93 | 36.57 | 9.44 | 0.4 | 8.26 |
| 9/6/2016 9:03 | 43.38 | 9.55 | 0.32 | 8.74 | 40 91 | 10.25 | 2.08 | 8.62 |
| 9/6/2016 9:04 | 9.9 | 3 09 | 37.18 | 7.43 | 8 04 | 3.07 | 36.76 | 7 55 |
| 9/6/2016 9:05 | 0 | 0.4 | 23.01 | 5.14 | 0 | 0 | 25.06 | 5.13 |
| 9/6/2016 9:06 | 0 | 0.15 | 34.97 | 7.76 | 0.05 | 0 | 35.21 | 7.76 |
| 9/6/2016 9:07 | 0 | 0.03 | 54.03 | 9.97 | 0 | 0 | 55.99 | 10 01 |
| 9/6/2016 9:08 | 0 | 0.05 | 46.3 | 8 04 | 0 | 0 | 49.98 | 8.09 |
| 9/6/2016 9:09 | 0 | 0.05 | 23.2 | 5.15 | 0 | 0 | 25.45 | 5.14 |
| 9/6/2016 9 10 | 0 | 0 | 36.87 | 8.01 | 0 | 0 | 37.08 | 8.02 |
| 9/6/2016 9:11 | 0 | 0 | 53.96 | 9.97 | 0 | 0 | 56.13 | 10.01 |
| 9/6/2016 9:12 | 0 | 0 | 39.39 | 6.99 | 0 | 0 | 43.23 | 7.03 |
| 9/6/2016 9:13 | 0 | 0 | 22.96 | 5 14 | 0 | 0 | 25.14 | 5.14 |
| 9/6/2016 9:14 | 0 | 0 | 38.68 | 8.31 | 0 | 0 | 38.84 | 8.3 |
| 9/6/2016 9:15 | 0 | 0 | 54.08 | 9.97 | 0 | 0 | 56.14 | 10.01 |
| 9/6/2016 9:16 | 0 | 3.74 | 29 96 | 4.27 | 0 | 2.03 | 34.87 | 4.3 |
| 9/6/2016 9:17 | 0 | 10.96 | 0 | 0.08 | 0 | 8.62 | 0 | 0.03 |
| 9/6/2016 9:18 | 0 | 11.34 | 0 | 0.07 | 0 | 9.3 | 0 | 0.02 |
| 9/6/2016 9:19 | 0 | 17.56 | 0 | 0.14 | 0 | 15.14 | 0 | 0.11 |
| 9/6/2016 9 20 | 0 | 26.4 | 0 | 0.06 | 1.02 | 23.97 | 0 | 0.34 |
| 9/6/2016 9:21 | 0 | 26.9 | 0 | 0.06 | 1.35 | 24.43 | 0 | 0.32 |
| 9/6/2016 9:22 | 0 | 19 51 | 0 | 0.06 | 0.59 | 16 94 | 0 | 0.1 |
| 9/6/2016 9:23 | 0 | 12.18 | 0 | 0.06 | 0.01 | 10.35 | 0 | 0.01 |
| 9/6/2016 9:24 | 0 | 18 03 | 0 | 0.06 | 0.06 | 15.84 | 0 | 0.01 |
| 9/6/2016 9:25 | 0 | 26 8 | 0 | 0.06 | 0.55 | 24.56 | 0 | 0.15 |
| 9/6/2016 9:26 | 0 | 21 04 | 0 | 0.06 | 0.42 | 18.94 | 0 | 0.07 |
| 9/6/2016 9:27 | 0 | 12.47 | 0 | 0.05 | 0.11 | 10.59 | 0 | 0 |
| 9/6/2016 9:28 | 0 | 17.86 | 0 | 0.05 | 0 1 | 15.98 | 0 | 0 |
| 9/6/2016 9:29 | 0 | 26.78 | 0 | 0.05 | 0.99 | 24.85 | 0 | 0.19 |
| 9/6/2016 9:30 | 8.9 | 16.5 | 0 | 0.05 | 11.04 | 14.57 | 0 | 0.09 |
| 9/6/2016 9:31 | 25.73 | 1 21 | 0 | 0.05 | 26.11 | 0 | 0 | 0 |
| 9/6/2016 9:32 | 36.87 | 0 57 | 0 | 0.05 | 37.46 | 0 | 0 | 0.16 |
| 9/6/2016 9:33 | 58.51 | 0.18 | 0 | 0 05 | 56.77 | 0 | 0 | 0.66 |
| 9/6/2016 9.34 | 46.23 | 0 08 | 0 | 0.05 | 44.52 | 0 | 0 | 0.27 |
| 9/6/2016 9:35 | 26.12 | 0.06 | 0 | 0.04 | 26.28 | 0 | 0 | 0 |
| 9/6/2016 9:36 | 37.56 | 0 | 0 | 0.04 | 37.83 | 0 | 0 | 0.21 |
| 9/6/2016 9 37 | 58.3 | 0 | 0 | 0.04 | 55.47 | 0 | 0 | 2.6 |
| 9/6/2016 9:38 | 46.39 | 0.03 | 0 | 0.04 | 41.88 | 0 | 0 | 0.55 |
| 9/6/2016 9:39 | 26.29 | 0.01 | 0 | 0.04 | 26.28 | 0 | 0 | 0 |
| 9/6/2016 9:40 | 37.64 | 0 | 0 | 0.04 | 38.32 | 0 | 0 | 0.25 |
| 9/6/2016 9:41 | 58.27 | 0 | 0 | 0.04 | 57 | 0 | 0 | 0.8 |
| 9/6/2016 9:42 | 83.45 | 53.23 | 55.81 | 0.04 | 83.71 | 50.23 | 50.63 | 0.32 |
| 9/6/2016 9:43 | 125.97 | 121.36 | 124.34 | 0.04 | 124 29 | 117.28 | 126.32 | 0 |
| 9/6/2016 9.44 | 126.44 | 123.85 | 124.5 | 0.04 | 124.61 | 120.65 | 126.6 | 0 |
| 9/6/2016 9.45 | 185.88 | 193.42 | 192.17 | 0.05 | 184.38 | 187.91 | 184.11 | 0.09 |
| 9/6/2016 9:46 | 277.53 | 269.69 | 267.39 | 0.05 | 265.75 | 260.85 | 259.24 | 0.36 |
| 9/6/2016 9:47 | 221 48 | 204.81 | 202.35 | 0.04 | 213.05 | 200.65 | 210.28 | 0 |
| 9/6/2016 9:48 | 126.88 | 129.5 | 125.39 | 0.04 | 125.54 | 126.95 | 127.13 | 0 |
| 9/6/2016 9:49 | 187.21 | 200.08 | 194.85 | 0.05 | 190.1 | 197 | 189.66 | 0 |
| 9/6/2016 9:50 | 278.13 | 272.28 | 268.02 | 0.05 | 276.96 | 270.8 | 272.24 | 0 |
| 9/6/2016 9:51 | 219.96 | 203.46 | 201.1 | 0.04 | 214.25 | 204.47 | 211.71 | 0 |
| 9/6/2016 9:52 | 127.45 | 129.56 | 125.66 | 0.04 | 125.58 | 129.42 | 127.54 | 0 |
| 9/6/2016 9:53 | 188.86 | 201.59 | 195.69 | 0.04 | 191.67 | 200 62 | 190.87 | 0 |
| 9/6/2016 9:54 | 278.39 | 272 44 | 268 24 | 0 04 | 277.24 | 272.76 | 272.91 | 0 |
| 9/6/2016 9:55 | 278.6 | 274 22 | 268.67 | 0.04 | 277.63 | 275 06 | 272.95 | 0 |
| 9/6/2016 9:56 | 239.34 | 205 16 | 202.74 | 3.15 | 236 66 | 217.27 | 223.36 | 2.75 |

Client: **DESERT VIEW POWER**
Location: **Mecca**
Date: 9/6/2016

Unit No: **Boiler 1&2**
Data By: **Dave Wonderly**

| **Instrument** | NOx ppm Low Range | | SO2 ppm Low Range | | O2 % | | CO ppm Low Range | |
|---|---|---|---|---|---|---|---|---|
| Range | 100 | | 50 | | 25 | | 100 | |
| **Gas Specification** | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 |
| Min | 20 | 50 | 20 | 50 | 4 | 8 | 20 | 50 |
| Max | 30 | 60 | 30 | 60 | 6 | 12 | 30 | 60 |
| Units | % FS | % FS | % FS | % FS | % O2 | % O3 | % FS | % FS |
| **Gas Requirement** | ppm NOx | ppm NOx | ppm SO2 | ppm SO2 | % O2 | % O2 | ppm CO | ppm CO |
| **Min** | **20** | **50** | **10** | **25** | **4** | **8** | **20** | **50** |
| **Max** | **30** | **60** | **15** | **30** | **6** | **12** | **30** | **60** |
| Gas Used | 25.3 | 57.6 | 12.2 | 27.8 | 5.08 | 9.95 | 25 | 55.6 |
| % of Range | 25% | 58% | 24% | 56% | 20% | 40% | 25% | 56% |
| **Status** | OK | OK | OK | OK | OK | OK | OK | OK |
| Cylinder No. | CC358132 | CC325587 | CC31695 | CC99793 | SA4726 | CC72871 | SA4726 | CC72871 |
| Ending Pressure | 400 | 800 | 1400 | 1400 | 700 | 800 | 700 | 800 |
| Exp Date | 5/10/2016 | 6/10/2021 | 6/10/2017 | cc99793 | 6/3/2021 | 6/5/2021 | 6/3/2021 | 6/5/2021 |

| **Instrument** | NOx ppm High Range | | SO2 ppm High Range | | CO ppm High Range | |
|---|---|---|---|---|---|---|
| Range | 500 | | 500 | | 500 | |
| **Gas Specification** | Point 1 | Point 2 | Point 1 | Point 2 | Point 1 | Point 2 |
| Min | 20 | 50 | 20 | 50 | 20 | 50 |
| Max | 30 | 60 | 30 | 60 | 30 | 60 |
| Units | % FS | % FS | % FS | % FS | % FS | % FS |
| **Gas Requirement** | ppm NOx | ppm NOx | ppm SO2 | ppm SO2 | ppm CO | ppm CO |
| **Min** | **100** | **250** | **100** | **250** | **100** | **250** |
| **Max** | **150** | **300** | **150** | **300** | **150** | **300** |
| Gas Used | 124 | 274 | 124 | 274 | 130 | 274 |
| % of Range | 25% | 55% | 25% | 55% | 26% | 55% |
| **Status** | OK | OK | OK | OK | OK | OK |
| Cylinder No | CC318251 | CC121194 | CC318251 | CC121194 | CC318251 | CC121194 |
| Ending Pressure | 1500 | empty | 1500 | 500 | 1500 | 500 |
| Exp Date | 6/29/2021 | 6/13/2021 | 6/29/2021 | 6/13/2021 | 6/29/2021 | 6/13/2021 |

PRAXAIR

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5700 South Alameda Street
Los Angeles, CA 90058
Tel (323) 585-2154 Fax (714) 562-4689
PGVPID: F22014

DocNumber 000071788

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

*Customer & Order Information*

PRAXAIR WHSE INDIO CA
64481 CABAZON RD
INDIO CA 92201

Praxair Order Number 26623632
Customer P.O. Number 05125080
Customer Reference Number

Fill Date 9/18/2014
Fill Number EV-[illegible]
Lot Number 1084[illegible]
Cylinder Size & Type AS CGA 660
Cylinder Pressure [illegible] 100 cu ft

*Certified Concentration:*

| Expiration Date | 9/30/2022 | NIST Traceable |
|---|---|---|
| Cylinder Number | CC318251 | Analytical Uncertainty |
| 130 ppm | CARBON MONOXIDE | ± 0.6 % |
| 124 ppm | NITRIC OXIDE | ± 0.5 % |
| 124 ppm | SULFUR DIOXIDE | ± 0.8 % |
| Balance | NITROGEN | |

NOx = 124 ppm

NOx for Reference Only

*Certification Information.* Certification Date 9/30/2014 Term 96 Months Expiration Date 9/30/2022

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG

*Analytical Data* (R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1 Component CARBON MONOXIDE

Reference Concentration 125 ppm
Certified Concentration 130 ppm
Instrument Used HORIBA VIA-510 S/N [illegible]
Analytical Method NDIR
Last Multipoint Calibration 9/12/2014

| First Analysis Data | | | | | | Date 9/22/2014 |
|---|---|---|---|---|---|---|
| Z | 0 | R | 140.0 | C | 130 | Conc 130 |
| R | 140.0 | Z | 0 | C | 130 | Conc 130 |
| Z | 0 | C | 130 | R | 140.0 | Conc 130 |
| UOM | ppm | | | | | Mean Test Assay 130 ppm |

| Second Analysis Data | | | | | | Date |
|---|---|---|---|---|---|---|
| Z | 0 | R | 0 | C | 0 | Conc 0 |
| R | 0 | Z | 0 | C | 0 | Conc 0 |
| Z | 0 | C | 0 | R | 0 | Conc 0 |
| UOM | ppm | | | | | Mean Test Assay 0 ppm |

Reference Standard Type GMIS
Ref Std Cylinder # CC381210
Ref Std Conc 149.9 ppm
Ref Std Traceable to SRM #
SRM Sample #
SRM Cylinder # CAL01865

2 Component NITRIC OXIDE

Reference Concentration 125 ppm
Certified Concentration 124 ppm
Instrument Used Thermo Electron 42i NM 0/2622-037L
Analytical Method Chemiluminescence
Last Multipoint Calibration 9/7/2014

| First Analysis Data | | | | | | Date 9/30/2014 |
|---|---|---|---|---|---|---|
| Z | 0 | R | 104.8 | C | 124.0 | Conc 124.6 |
| R | 104.8 | Z | 0 | C | 124.6 | Conc 124.6 |
| Z | 0 | C | 124.6 | R | 104.8 | Conc 124.6 |
| UOM | ppm | | | | | Mean Test Assay 124.62 ppm |

| Second Analysis Data | | | | | | Date 9/30/2014 |
|---|---|---|---|---|---|---|
| Z | 0 | R | 104.8 | C | 124.5 | Conc 124.5 |
| R | 104.8 | Z | 0 | C | 124 | Conc 124 |
| Z | 0 | C | 124.2 | R | 104.8 | Conc 124.2 |
| UOM | ppm | | | | | Mean Test Assay 124.23 ppm |

Reference Standard Type GMIS
Ref Std Cylinder # CC140831
Ref Std Conc 251 ppm
Ref Std Traceable to SRM # 1683
SRM Sample # 9[illegible]
SRM Cylinder # FF22507

3 Component SULFUR DIOXIDE

Reference Concentration 125 ppm
Certified Concentration 124 ppm
Instrument Used HORIBA VIA-510, S/N [illegible]
Analytical Method NDIR
Last Multipoint Calibration [illegible]

| First Analysis Data | | | | | | Date 9/30/2014 |
|---|---|---|---|---|---|---|
| Z | 0 | R | 251 | C | 124 | Conc 124 |
| R | 251 | Z | 0 | C | 124 | Conc 124 |
| Z | 0 | C | 124 | R | 251 | Conc 124 |
| UOM | ppm | | | | | Mean Test Assay 124 ppm |

| Second Analysis Data | | | | | | Date 9/30/2014 |
|---|---|---|---|---|---|---|
| Z | 0 | R | 251 | C | 124 | Conc 124 |
| R | 251 | Z | 0 | C | 124 | Conc 124 |
| Z | 0 | C | 123 | R | 251 | Conc 123 |
| UOM | ppm | | | | | Mean Test Assay 124.33 ppm |

Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical methods employed and is correct to the extent of the specific analysis contained, we make no representation or warranty of any kind as to the validity of the information or its suitability for any purpose. The information is offered solely for your information and consideration. Any use of this information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc. arising out of the use of the information contained herein exceed the total amount paid for providing such information.

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PGVPID: F22013

DocNumber: 000065561

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

*Customer & Order Information:*

PRAXAIR WHSE INDIO CA
84481 CABAZON RD
INDIO CA 922010

*Praxair Order Number:* 24065203
*Customer P. O. Number:* 04456403
*Customer Reference Number:*

*Fill Date:* 6/18/2013
*Part Number:* EV NIXAE 265-AC
*Lot Number:* 109113000
*Cylinder Style & Outlet:* AS CGA 660
*Cylinder Pressure & Volume:* 1800 psig 120 cu ft

*Certified Concentration:*

| | | | |
|---|---|---|---|
| Expiration Date: | | 6/29/2021 | NIST Traceable |
| Cylinder Number: | | CC121194 | Analytical Uncertainty: |
| 274 | ppm | CARBON MONOXIDE | ± 1 % |
| 274 | ppm | NITRIC OXIDE | ± 0.5 % |
| 274 | ppm | SULFUR DIOXIDE | ± 0.9 % |
| | Balance | NITROGEN | |

NOx = 274 ppm

NOx for Reference Only

*Certification Information:* *Certification Date:* 6/29/2013 *Term:* 96 Months *Expiration Date:* 6/29/2021

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG.

Last certified concentration was [CO] = 274 ppm, [NO] = 274 ppm, [SO2] = 274 ppm and [NOx] = 274 ppm on 06/07/2011

*Analytical Data:* (R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: CARBON MONOXIDE

Requested Concentration: 275 ppm
Certified Concentration: 274 ppm
Instrument Used: Horiba VIA-510, S/N 577172043
Analytical Method: NDIR
Last Multipoint Calibration: 6/5/2013

First Analysis Data: Date: 6/29/2013

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 247.2 | C: | 274 | Conc: | 274 |
| R: | 247.2 | Z: | 0 | C: | 274 | Conc: | 274 |
| Z: | 0 | C: | 274 | R: | 247.2 | Conc: | 274 |

UOM: ppm Mean Test Assay: 274 ppm

Reference Standard Type: GMIS
Ref Std Cylinder #: CC110115
Ref Std Conc: 247.2 ppm
Ref Std Traceable to SRM #: 2636a
SRM Sample #: 57-9-C
SRM Cylinder #: CLM 004182

Second Analysis Data: Date:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 0 | C: | 0 | Conc: | 0 |
| R: | 0 | Z: | 0 | C: | 0 | Conc: | 0 |
| Z: | 0 | C: | 0 | R: | 0 | Conc: | 0 |

UOM: ppm Mean Test Assay: 0 ppm

2. Component: NITRIC OXIDE

Requested Concentration: 275 ppm
Certified Concentration: 274 ppm
Instrument Used: Thermo Electron 42i S/N 0126024320
Analytical Method: Chemiluminescence
Last Multipoint Calibration: 6/5/2013

First Analysis Data: Date: 6/29/2013

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 265 | C: | 273 | Conc: | 273 |
| R: | 253 | Z: | 0 | C: | 273 | Conc: | 273 |
| Z: | 0 | C: | 273 | R: | 253 | Conc: | 273 |

UOM: ppm Mean Test Assay: 273 ppm

Reference Standard Type: GMIS
Ref Std Cylinder #: CC121759
Ref Std Conc: 253.0 ppm
Ref Std Traceable to SRM #: vs 1685c
SRM Sample #: 43-L-11
SRM Cylinder #: CAL017304

Second Analysis Data: Date:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 0 | C: | 0 | Conc: | 0 |
| R: | 0 | Z: | 0 | C: | 0 | Conc: | 0 |
| Z: | 0 | C: | 0 | R: | 0 | Conc: | 0 |

UOM: ppm Mean Test Assay: 0 ppm

3. Component: SULFUR DIOXIDE

Requested Concentration: 275 ppm
Certified Concentration: 274 ppm
Instrument Used: HORIBA, VIA-510, 56946804
Analytical Method: NDIR11
Last Multipoint Calibration: 6/5/2013

First Analysis Data: Date: 6/29/2013

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 250 | C: | 274 | Conc: | 274 |
| R: | 250 | Z: | 0 | C: | 274 | Conc: | 274 |
| Z: | 0 | C: | 274 | R: | 250 | Conc: | 274 |

UOM: ppm Mean Test Assay: 274 ppm

Reference Standard Type: GMIS
Ref Std Cylinder #: CC107920
Ref Std Conc: 250 ppm
Ref. Std Traceable to SRM #: vs 1661a
SRM Sample #: 94-H 05
SRM Cylinder #: FF20146

Second Analysis Data: Date:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 0 | C: | 0 | Conc: | 0 |
| R: | 0 | Z: | 0 | C: | 0 | Conc: | 0 |
| Z: | 0 | C: | 0 | R: | 0 | Conc: | 0 |

UOM: ppm Mean Test Assay: 0 ppm

Analyzed by: Nelson Ma

Certified by: Diego Mostanza

Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc. arising out of the use of the information contained herein exceed the fee established for providing such information.

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Tel: (323) 585-2154 Fax:(714) 542-6689
PGVPID: F22015

DocNumber: 000079874

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

*ier & Order Information:*

'RAXAIR WHSE INDIO CA
34481 CABAZON RD
INDIO CA 922010

*Praxair Order Number* 31160285
*Customer P. O. Number* 05518343
*Customer Reference Number*

*Fill Date:* 5/4/2015
*Part Number:* EV NISD12ME-AS
*Lot Number:* 109512403
*Cylinder* AS CGA 680
*Cylinder Pressure & Volume:* 2000 psig 140 cu. ft.

*Certified Concentration:*

| | | | |
|---|---|---|---|
| Expiration Date: | | 5/19/2019 | NIST Traceable |
| Cylinder Number: | | CC31695 | Analytical Uncertainty: |
| 12.2 | ppm | SULFUR DIOXIDE | ± 1.1 % |
| | Balance | NITROGEN | |

*Fication Information:* *Certification Date:* 5/19/2015 *Term:* 48 Months *Expiration Date:* 5/19/2019

: cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Do Not this Standard if Pressure is less than 100 PSIG.

*lytical Data:* *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

Component SULFUR DIOXIDE

| | |
|---|---|
| Expected Concentration | 12 ppm |
| Certified Concentration | 12.2 ppm |
| Instrument Used | Agilent 6210GC S/N AW[illegible] |
| Analytical Method | [illegible] |
| Last Multipoint Calibration | 4/21/2015 |

| | |
|---|---|
| Reference Standard Type | GMIS |
| Ref. Std. Cylinder # | CC36[illegible] |
| Ref. Std. Conc | 10.02 ppm |
| Ref. Std. Traceable to SRM # | 1689 |
| SRM Sample # | 98 A-26 |
| SRM Cylinder # | FF40552 |

First Analysis Data: Date: 5/12/2015

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 99 | C: | 121.3 | Conc: | 12.243 |
| R: | 99.2 | Z: | 0 | C: | 121.1 | Conc: | 12.24 |
| Z: | 0 | C: | 121 | R: | 99.2 | Conc: | 12.23 |

UOM: ppm Mean Test Assay: 12.244 ppm

Analyzed by: Nelson M. Ma

Second Analysis Data Date: 5/19/2015

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 100.3 | C: | 120.9 | Conc: | 12.036 |
| R: | [illegible] | Z: | 0 | C: | 121 | Conc: | 12.108 |
| Z: | 0 | C: | 120.9 | R: | [illegible] | Conc: | 12.088 |

UOM: ppm Mean Test Assay 12.078 ppm

Certified by: N. Haddad
Nassim Haddad

mation contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical ods employed and is complete to the extent of the specific analysis performed, we make no warranty or representation as to the suitability of the use of the information for any purpose. The mation is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc. arising out of the of the information contained herein exceed the fee established for providing such information.

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Los Angeles, CA 90058
Tel (323) 585-2154 Fax (213) 587-6629
RGVIID 122015

DocNumber. 000081865

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

*stomer & Order Information:*

PRAXAIR WHSE INDIO CA
84481 CABAZON RD
INDIO CA 922010

*Praxair Order Number* [illegible]
*Customer P.O. Number* [illegible]
*Customer Reference Number*

*Fill Date* [illegible]
*Part Number* [illegible]
*Lot Number* [illegible]
*Cylinder Code & Outlet* [illegible]
*Cylinder Pressure & Volume* [illegible]

*Certified Concentration:*

| | | | |
|---|---|---|---|
| Expiration Date | 7/24/2019 | | NIST Traceable |
| Cylinder Number: | CC09793 | | Analytical Uncertainty |
| 27.8 | ppm | SULFUR DIOXIDE | ± 1 % |
| | Balance | NITROGEN | |

*rification Information:* *Certification Date:* 7/24/2015 *Term:* 48 Months *Expiration Date* 7/24/2019

his cylinder was certified according to the 2012 EPA Traceability Protocol Document EPA-600/R-12/531, using Procedure G1. Do Not se this Standard if Pressure is less than 100 PSIG.

*nalytical Data:* *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

. Component: SULFUR DIOXIDE

| | |
|---|---|
| Requested Concentration | 27.5 ppm |
| Certified Concentration | 27.5 ppm |
| Instrument Used | Analok 921CL S/N AW-921-5321 |
| Analytical Method | Ultraviolet Absorption |
| Last Multipoint Calibration | 6/25/2015 |

| | |
|---|---|
| Reference Standard Type | RTPA |
| [illegible] | CC[illegible] |
| Ref. Std. Conc. | [illegible] ppm |
| Ref. Std. Traceable to SRM # | [illegible] |
| NIST Sample # | [illegible] |
| NIST Cylinder # | [illegible] |

First Analysis Data: Date: 7/17/2015

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 409.7 | C: | 280.8 | Conc. | 27.651 |
| R: | 409.2 | Z: | 0 | C: | 280.6 | Conc. | 27.621 |
| Z: | 0 | C: | 281.1 | R: | 410 | Conc: | 27.671 |

UOM: ppm Mean Test Assay: 27.645 ppm

Second Analysis Data: Date: 7/24/2015

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | [illegible] | C: | [illegible] | Conc: | [illegible] |
| R: | [illegible] | Z: | 0 | C: | [illegible] | Conc: | 27.[illegible] |
| Z: | 0 | C: | [illegible] | R: | [illegible] | Conc: | 27.[illegible] |

UOM: ppm Mean Test Assay: 27.[illegible] ppm

Analyzed by: Nassim Haddad

Certified by: Nelson Ma

formation contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical ethods employed and is complete to the extent of the specific analysis requirement, we make no warranty or representation as to the suitability of the use of the information. [illegible] formation is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event [illegible] e of the information contained herein exceed the fee established for providing such [illegible]

PRAXAIR

Praxair

Doc Number [illegible]

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

*Customer & Order Information*

PRAXAIR WHSE INGIO CA
8441 CARBON RD
INGIO CA 92010

*Certified Concentrations*

| | | | |
|---|---|---|---|
| Expiration Date | | 3/5/2021 | NIST Traceability |
| Cylinder Number | | CC72871 | Analytical Uncertainty |
| 55.6 | ppm | CARBON MONOXIDE | ± 1 % |
| 9.95 | % | OXYGEN | ± 1 % |
| | Balance | NITROGEN | |

*Certification Information* Certification Date: 9/5/2013 Term: 96 Months Expiration Date: 9/5/2021

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document [illegible] Section G1. Do Not Use This Standard if Pressure is less than 100 PSIG

*Analytical Data*

1. Component: CARBON MONOXIDE

First Analysis Data — Date [illegible]

| | | | | | |
|---|---|---|---|---|---|
| Z | C | R | [illegible] | C | [illegible] Conc |
| R | [illegible] | Z | [illegible] | C | [illegible] Conc |
| Z | [illegible] | C | [illegible] | R | [illegible] Conc |

Mean Test Assay [illegible]

Second Analysis Data — Date

| | | | | | |
|---|---|---|---|---|---|
| Z | [illegible] | R | [illegible] | C | [illegible] Conc |
| R | [illegible] | Z | [illegible] | C | [illegible] Conc |
| Z | [illegible] | C | [illegible] | R | [illegible] Conc |

NDIR [illegible] Mean Test Assay [illegible]

2. Component: OXYGEN

Primary Standard: [illegible]
Analytical Method: PARAMAGNETIC
Date: [illegible]

First Analysis Data — Date [illegible]

| | | | | | |
|---|---|---|---|---|---|
| Z | [illegible] | [illegible] | C | [illegible] Conc | [illegible] |
| R | [illegible] | Z | C | 9.98 Conc | 9.95 |
| Z | [illegible] | C | R | [illegible] Conc | [illegible] |

Mean Test Assay [illegible]

Second Analysis Data — Date

| | | | | | |
|---|---|---|---|---|---|
| Z | [illegible] | [illegible] | C | [illegible] Conc | [illegible] |
| R | [illegible] | Z | C | [illegible] Conc | [illegible] |
| Z | [illegible] | C | R | [illegible] Conc | [illegible] |

NDIR Mean Test Assay [illegible]

Analyzed by: [illegible]

Verified by: [illegible]

Certified by: Henry Kong

PRAXAIR

Praxair

Doc Number: 0500[illegible]467

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information

PRAXAIN WHSE INDIO CA
84481 CABAZON RD
INDIO CA [illegible]

Customer Reference Number:

Certified Concentration:

| Expiration Date | 6/3/2021 | NIST Traceable |
|---|---|---|
| Cylinder Number | SA4726 | Analytical Uncertainty |
| 25.0 ppm | CARBON MONOXIDE | ± [illegible] % |
| 5.08 % | OXYGEN | ± 1 % |
| Balance | NITROGEN | |

Certification Information: Certification Date 6/3/2013 Term 96 Months Expiration Date 6/3/2021

This cylinder was certified according to the 2012 EPA Traceability Protocol Document #EPA-600/R-12/531 using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG

Analytical Data: (Reference Standard [illegible] Gas Candidate)

1. Component: CARBON MONOXIDE

Reference Standard Type: GMIS
Ref Std Cylinder #: [illegible]
Ref Std Conc: [illegible]
Ref Std Traceability SRM #: [illegible]
SRM Number: [illegible]
SRM Uncertainty: [illegible]

Reference Concentration: 25 ppm
Certified Concentration: [illegible] ppm
Instrument Used: Horiba VIA-510 SN [illegible]
Analytical Method: NDIR
Date of Most Calibration: [illegible]

First Analysis Data — Date: 6/3/2013

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z | 0 | R | [illegible] | C | [illegible] | Conc | 25 |
| R | [illegible] | Z | [illegible] | C | [illegible] | Conc | 25 |
| Z | [illegible] | C | [illegible] | R | [illegible] | Conc | 25 |

UOM: [illegible] Mean Test Assay: [illegible] ppm

Second Analysis Data — Date:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z | | R | | C | | Conc | |
| R | | Z | | C | | Conc | |
| Z | | C | | R | | Conc | |

UOM: [illegible] Mean Test Assay: [illegible]

2. Component: OXYGEN

Reference Standard Type: [illegible]
Ref Std Cylinder #: [illegible]
Ref Std Conc: [illegible]
Ref Std Traceability SRM #: [illegible]
SRM Number: [illegible]
SRM Uncertainty: [illegible]

Reference Concentration: 5 %
Certified Conc: [illegible] %
Instrument Used: OXYMAT 6E
Analytical Method: PARAMAGNETIC
Date of Most Calibration: [illegible]

First Analysis Data — Date: [illegible]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z | [illegible] | R | [illegible] | C | [illegible] | Conc | [illegible] |
| R | [illegible] | Z | [illegible] | C | [illegible] | Conc | [illegible] |
| Z | [illegible] | C | [illegible] | R | [illegible] | Conc | 5.00 |

UOM: [illegible] Mean Test Assay: [illegible] %

Second Analysis Data — Date:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z | | R | | C | | Conc | |
| R | | Z | | C | | Conc | |
| Z | | C | | R | | Conc | |

UOM: [illegible] Mean Test Assay: [illegible] %

Analyzed by: [illegible]

Certified by: Henry [illegible]

[illegible]

PRAXAIR

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Certified Concentration

| | | | |
|---|---|---|---|
| Cylinder Number | CC325087 | | |
| 57.2 | ppm | NITRIC OXIDE | |
| Balance | | NITROGEN | |

NOx = 57.6 ppm

Certification Date 8/10/2012 Term 36 Months

Cylinder Pressure

Nitric Oxide

Analysis Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z | | R | | C | | Conc | |
| R | | Z | | C | | Conc | |
| Z | | C | | R | | Conc | |

Mean Test Assay

Second Analysis Data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z | | R | | C | | Conc | |
| R | | Z | | C | | Conc | |
| Z | | C | | R | | C | |

Mean Test Assay

Verified by

Nelson Ma

Certified by

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles CA 90058
Tel (323) 585-2130 Fax (714) 542-6689
PGVPID: F22015

DocNumber: 000079837

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

*Customer & Order Information:*

PRAXAIR WHSE INDIO CA
84481 CABAZON RD
INDIO CA 922010

*Praxair Order Number:* 31160500
*Customer P.O. Number:* 0551B378
*Customer Reference Number*

*Fill Date* 5/18/2015
*Part Number* NI NO25ME-AS
*Lot Number* 109512417
*Cylinder Style & Outlet* A8 CGA 660
*Cylinder Pressure & Volume* 2000 psig 140 cu ft

*Certified Concentration:*

| | | | |
|---|---|---|---|
| Expiration Date | 5/18/2018 | | NIST Traceable |
| Cylinder Number | CC358132 | | Analytical Uncertainty. |
| 25.1 | ppm | NITRIC OXIDE | ± 1 % |
| | Balance | NITROGEN | |

NOx = 25.3 ppm

NOx for Reference Only

*Certification Information:* *Certification Date:* 5/18/2015 *Term:* 36 Months *Expiration Date:* 5/18/2018

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531 using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG

*Analytical Data:* (ReReference Standard: Zero Gas, Co-Gas Candidate)

1. Component: NITRIC OXIDE

| | |
|---|---|
| Reported Concentration | 25 ppm |
| Certified Concentration | 25.1 ppm |
| Instrument Used | Thermo Electron 42i [illegible] |
| Analytical Method | Chemiluminescence |
| Last Instrument Calibration | 4/27/2015 |

| | |
|---|---|
| Reference Standard Type: | GMIS |
| Ref. Std. Cylinder # | CC457687 |
| Ref. Std. Conc. | 20.2 ppm |
| Ref. Std. Traceable to SRM # | 2[illegible] |
| SRM Sample # | [illegible]-G-17 |
| SRM Cylinder # | FF[illegible] |

First Analysis Data: Date: [illegible]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | | R: | 20.2 | C: | 25.2 | Conc: | 25.1 |
| R: | [illegible] | Z: | 0 | C: | 25.1 | Conc: | 25.1 |
| Z: | | C: | 25.2 | R: | 20.2 | Conc: | 25.1 |

UOM: ppm Mean Test Assay: 25.2 ppm

Second Analysis Data: Date: [illegible]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Z: | 0 | R: | 20.2 | C: | 25.1 | Conc: | 25.1 |
| R: | 20.2 | Z: | 0 | C: | 25.1 | Conc: | 25.1 |
| Z: | 0 | C: | 25.1 | R: | 20.2 | Conc: | 25.1 |

UOM: ppm Mean Test Assay: 25.1 ppm

Analyzed by: Nelson Ma

Certified by: Nassim Haddad

[illegible] qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical [illegible] analyses performed we make no warranty or representation as to the suitability of the use of the information for any purpose. The information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc. arising out of the [illegible] for providing such information.