

OLEO MARK 6/21/07



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6141 EASTON ROAD, BLDG 1 PO BOX 310
 Shipped PLUMSTEADVILLE PA 18949-0310
 From: Phone: 800-331-4953 Fax: 215-766-7226
 C E R T I F I C A T E O F A N A L Y S I S

 GULF POWER COMPANY PROJECT #: 01-36115-001
 PO#: 481702-0000
 55 NORTH "Q" STREET ITEM #: 0101840 AL
 DATE: 22Aug2005
 PENSACOLA FL 32520-0310

CYLINDER #: ALM016948
 FILL PRESSURE: 02000 PSIG
 PURE MATERIAL: NITROGEN CAS# 7727-37-9
 GRADE: CEM ZERO
 PURITY: 99.9995%

IMPURITY	MAXIMUM CONCENTRATIONS	ACTUAL CONCENTRATIONS
CO	1 PPM	<1 PPM
CO2	1 PPM	<1 PPM
THC	0.5 PPM	<0.5 PPM
H2O	2 PPM	<2 PPM
O2	0.5 PPM	<0.5 PPM

QC BATCH : QC35836

ANALYST:
JOSEPH SMITH



Scott Specialty Gases

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6141 EASTON ROAD, BLDG 1, PLUMSTEADVILLE, PA 18949-0310 Phone: 800-331-4953 Fax: 215-766-7226

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: EPA Protocol Gas

Assay Laboratory
 SCOTT SPECIALTY GASES
 6141 EASTON ROAD, BLDG 1
 PLUMSTEADVILLE, PA 18949-0310

P.O. No.: 4832768
 Project No.: 01 -86430 -007

Customer
 GULF POWER COMPANY
 JOHN RAMPULLA
 55 NORTH "Q" STREET
 PENSACOLA FL 32520-0310

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM001932
Cylinder Pressure*:** 2000 PSIG

Certification Date: 21Feb2007

Exp. Date: 22Aug2007

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ANALYTICAL ACCURACY**	TRACEABILITY
NITROGEN DIOXIDE	51.8 PPM	+/- 2%	GMIS
AIR	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
 ** Analytical accuracy is based on the requirements of EPA Protocol procedures , September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPOSITION
GMIS NO2/N2	22Dec2008	ALM049849	48.30 PPM	NITROGEN [

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
HORIBA/CLA220/5708850810	19Feb2007	CHEMILUMINESCENCE

Special Notes:
 RANGE 40-60 PPM NO2

QUALITY ASSURANCE

APPROVED BY: JAMES L. MCHALE
 (signature on file)



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Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: EPA Protocol Gas

Assay Laboratory
SCOTT SPECIALTY GASES
6141 EASTON ROAD, BLDG 1
PLUMSTEADVILLE, PA 18949-0310

P.O. No.: 4832768
Project No.: 01 -59721 -004

Customer
GULF POWER COMPANY

55 NORTH "Q" STREET
PENSACOLA FL 32520-0310

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM016861
Cylinder Pressure*: 2000 PSIG**

Certification Date: 24Oct2006

Exp. Date: 23Oct2009

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ANALYTICAL ACCURACY**	TRACEABILITY
OXYGEN	10.9 %	+/- 1%	Direct NIST and NM
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMP
NTRM 2658	02Oct2010	ALM065248	9.930 %	OXYGE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
BECKMAN/755/2002571	05Oct2006	PARAMAGNETIC

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis

OXYGEN
Date: 20Oct2006 Response Unit: VOLTS
Z1=0.00080 R1=0.41530 T1=0.45320
R2=0.41660 Z2=0.00100 T2=0.45230
Z3=0.00080 T3=0.45200 R3=0.41720
Avg. Concentration: 10.90 %

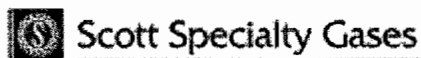
Second Triad Analysis

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=.999999157 2350
Constants: A=-.042677
B=24.113691 C=
D= E=

QUALITY ASSURANCE

APPROVED BY: JESSICA BRAY
(signature on file)



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Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: EPA Protocol Gas

Assay Laboratory
SCOTT SPECIALTY GASES
6141 EASTON ROAD, BLDG 1
PLUMSTEADVILLE, PA 18949-0310

P.O. No.: 4832768
Project No.: 01 -86430 -004

Customer
GULF POWER COMPANY
JOHN RAMPULLA
55 NORTH "Q" STREET
PENSACOLA FL 32520-0310

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM029179
Cylinder Pressure*:** 2000 PSIG

Certification Date: 23Feb2007

Exp. Date: 24Aug2007

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ANALYTICAL ACCURACY**	TRACEABILITY
CARBON MONOXIDE	5.04 PPM	+/- 1%	Direct NIST ar
NITRIC OXIDE	10.1 PPM	+/- 1%	Direct NIST ar
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	10.2 PPM		Reference Valu

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONE
NTRM 1677	02Oct2008	ALM069748	10.04 PPM	CARBON MO
NTRM 2629	15Aug2009	KAL003031	19.83 PPM	NITRIC OXIDI

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
SIEMENS/ULTRAMAT 6E/R8-236	27Jan2007	CO/CO2 ANALYZER
HORIBA/CLA220/5708850810	16Feb2007	CHEMILUMINESCENCE

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis
CARBON MONOXIDE

Date: 16Feb2007 Response Unit: VOLTS
Z1=-0.01270 R1=4.78820 T1=2.38390
R2=4.78810 Z2=-0.02650 T2=2.38370
Z3=0.00000 T3=2.38350 R3=4.78890
Avg. Concentration: 5.010 PPM

NITRIC OXIDE

Date: 16Feb2007 Response Unit: VOLTS
Z1=0.00270 R1=1.87360 T1=1.83720
R2=1.87550 Z2=0.00330 T2=1.83780
Z3=0.00630 T3=1.83620 R3=1.87690
Avg. Concentration: 10.11 PPM

Second Triad Analysis

Date: 23Feb2007 Response Unit: VOLTS
Z1=-0.02700 R1=4.79640 T1=2.39640
R2=4.79390 Z2=-0.05640 T2=2.39970
Z3=-0.05210 T3=2.38900 R3=4.79940
Avg. Concentration: 5.060 PPM

Date: 23Feb2007 Response Unit: VOLTS
Z1=0.00060 R1=1.86100 T1=1.83280
R2=1.87150 Z2=0.00650 T2=1.83260
Z3=0.00790 T3=1.82540 R3=1.86790
Avg. Concentration: 10.12 PPM

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=-0.999985362 1677
Constants: A=-0.057107
B=2.185559 C=-0.017526813
D= E=

Concentration=A+Bx+Cx2+Dx3+Ex4
r=-0.999996 2629
Constants: A=-0.024582
B=5.513539 C=
D= E=

QUALITY ASSURANCE

APPROVED BY: JAMES L. MCHALE
(signature on file)



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Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: Interference Free™ Multi-Component EPA Protocol Gas

Assay Laboratory
SCOTT SPECIALTY GASES
6141 EASTON ROAD, BLDG 1
PLUMSTEADVILLE, PA 18949-0310

P.O. No.: 4832768
Project No.: 01 -86430 -003

Customer
GULF POWER COMPANY
JOHN RAMPULLA
55 NORTH "Q" STREET
PENSACOLA FL 32520-0310

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: AAL1744
Cylinder Pressure*: 2002 PSIG**

Certification Date: 23Feb2007

Exp. Date: 22Feb2009

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ANALYTICAL ACCURACY**	TRACEABILITY
CARBON MONOXIDE	10.00 PPM	+/- 1%	Direct NIST ar
NITRIC OXIDE	20.0 PPM	+/- 1%	Direct NIST ar
NITROGEN - OXYGEN FREE	BALANCE		
TOTAL OXIDES OF NITROGEN	20.1 PPM		Reference Valu

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONE
NTRM 1677	02Oct2008	ALM069707	10.04 PPM	CARBON MO
NTRM 1683	15Aug2009	AAL070666	49.82 PPM	NITRIC OXIDI

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
FTIR//000928781	01Feb2007	FTIR
FTIR//000928781	25Jan2007	FTIR

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis
CARBON MONOXIDE

Date: 16Feb2007 Response Unit: PPM
Z1=0.00412 R1=10.10469 T1=10.06134
R2=10.11931 Z2=0.00419 T2=10.08283
Z3=0.01857 T3=10.09273 R3=10.12168
Avg. Concentration: 10.00 PPM

NITRIC OXIDE

Date: 16Feb2007 Response Unit: PPM
Z1=-0.01814 R1=49.80205 T1=20.04033
R2=49.94025 Z2=0.00835 T2=20.07419
Z3=0.05449 T3=20.07873 R3=49.95727
Avg. Concentration: 20.02 PPM

Second Triad Analysis

Date: 23Feb2007 Response Unit: PPM
Z1=-0.00255 R1=9.96884 T1=9.92112
R2=9.96931 Z2=0.00168 T2=9.92898
Z3=0.05175 T3=9.94172 R3=9.98677
Avg. Concentration: 9.995 PPM

Date: 23Feb2007 Response Unit: PPM
Z1=-0.03835 R1=49.79622 T1=19.93037
R2=49.80819 Z2=-0.02821 T2=19.95917
Z3=-0.02369 T3=19.97594 R3=49.85338
Avg. Concentration: 19.97 PPM

Calibration Curve

Concentration=A+Bx+Cx2+Dx3+Ex4
r=9.99983E-1
Constants: A=0.00000E+0
B=9.67947E-1 C=1.01600E-3
D=0.00000E+0 E=0.00000E+0

Concentration=A+Bx+Cx2+Dx3+Ex4
r=1.00000E+0
Constants: A=0.00000E+0
B=9.45423E-1 C=2.18000E-4
D=0.00000E+0 E=0.00000E+0