

CO2-006



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Issue Date: May 27, 2013

To: Praxair Delta  
 1470 Derwent Way  
 Delta BC, V3M 6H9

Praxair Order Number: 18129294  
 Customer Order Number: 02583233

Product Lot Number: Z582 3 136 03  
 Product Part Number: AI CDR2C-AS

## CERTIFICATE OF ANALYSIS

### Certified Standard

Cylinder S/N	Components	Requested Concentration	Certified Concentration	Analytical Principle*/Instrument	Analytical Uncertainty
CC97182	Carbon Dioxide Air	370ppm Balance	367ppm	M*/Horiba Via-510	±2% Rel

Cylinder Style: AS  
 Cylinder Pressure @70°F (21°C): 2000 psig  
 Cylinder Volume: 143.9 cu ft

Valve Outlet Connection: CGA 590  
 Filling Method: Gravimetric  
 Filling Date: May 16, 2013  
 Expiry Date: May 27, 2016

Analyst:

QA Reviewer:

This gas calibration cylinder standard prepared by Praxair Distribution is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Praxair Reference Materials which are either prepared by weights traceable to the National Institute of Standards and Technology (NIST), Measurement Canada or by using NIST Standard Reference Materials where available.

Note: All expressions for concentration (e.g. % or ppm) are for gas phase, by volume (e.g. ppmv) unless otherwise noted.

**Key to Analytical Principle**

- |   |  |                                    |                               |
|---|--|------------------------------------|-------------------------------|
| A. Flame Ionization with Methanizer                         | F. Gas Chromatography with Helium Ionization Detector    | K. Thermal Conductivity Analyzer   | P. Specific Water Analyzer    |
| B. Gas Chromatography with Discharge Ionization Detector    | G. Gas Chromatography with Methanizer Carbonizer         | L. Gravimetric Methods             | Q. Total Hydrocarbon Analyzer |
| C. Gas Chromatography with Electronic Conductivity Detector | H. Gas Chromatography with Photoionization Detector      | M. Infrared - FTIR or NDIR         | R. Wet Chemical               |
| D. Gas Chromatography with Flame Ionization Detector        | I. Gas Chromatography with Reduction Gas Analyzer        | N. Mass Spectrometry - MS or GC/MS | S. Detector Tube              |
| E. Gas Chromatography with Flame Photometric Detector       | J. Gas Chromatography with Thermal Conductivity Detector | O. Paramagnetic                    | T. Odor                       |

**IMPORTANT**

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