



Accreditation No: 103049



4063 New Castle Ave, Bldg. 4061
New Castle, DE 19720
www.keengas.com
P: (302) 594-4545

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CERTIFICATE OF CONFORMANCE

Keen Compressed Gas Co. Is Accredited to the ISO/IEC 17025:2017 Testing and Calibration Laboratory Standard. Keen's Quality Management System, Enables Keen to Provide the Highest Level of Testing, Calibration, and Traceability to Meet or Exceed the Minimum Specifications Listed for the Carbon Dioxide Grade Requested.

CARBON DIOXIDE (CO₂), LIQUID

	Refrigerated Liquid ^{5,6}	Refrigerated Liquid (Beverage) ^{4,6}	Refrigerated Liquid (USP) ¹
Minimum Purity³:	99.9	99.9	99.0
Odor^{3,4}:	NT	None	None
Moisture^{3,4,6}:	≤ 32 ppm	≤ 20 ppm	≤ 20 ppm
Acetaldehyde⁶:	NT	≤ 0.2 ppm	NT
Ammonia^{3,6}:	NT	NT	≤ 25 ppm
Carbon Monoxide^{3,4}:	NT	≤ 10 ppm	≤ 10 ppm
Nitrogen Dioxide^{3,4}:	NT	SUM ≤ 2.5 ppm	≤ 2.5 ppm
Nitric Oxide^{3,4}:	NT		≤ 2.5 ppm
Sulfur Dioxide^{3,6}:	≤ 5.0 ppm	≤ 5.0 ppm	≤ 5.0 ppm
Hydrogen Sulfide^{3,6}:	NT	NT	≤ 1.0 ppm
Total Hydrocarbons^{3,6}:	NT	≤ 20.0 ppm	NT
Dew Point:	-61°F	-68°F	-68°F
CGA Connection:	320	320	320
Lot Label Tracking:	Yes	Yes	Yes
TECHNICAL INFORMATION			
UN ID:	2187	Molecular Weight:	44.01
DOT Classification:	2.2 Non-Flammable Gas	Specific Volume:	8.74 ft ³ /lb.
DOT Ship Name:	Carbon Dioxide, Refrigerated Liquid	CAS NO:	124-38-9

Notes:

1. USP- Medical Carbon Dioxide, United States Pharmacopeia
2. NT – Not Tested
3. Certificate of Batch or Individual Analysis Specification Results Available Upon Request – Gaseous Use
4. Meets USDA and CGA G-6.2 Food Grade Specifications
5. Meets AWS A5.32 (ISO 14175)-C1-CO₂ - Gaseous Use
6. Specification Based on Raw Material Bulk Supplier Certificate of Analysis (USP Excluded)