



Accreditation No: 103049



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Publication Date: 06/29/2021	Revision Date: 12/01/2025	Revision No: 1.1
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CERTIFICATE OF CONFORMANCE

Keen Compressed Gas Co. Is Accredited to the ISO/IEC 17025:2017 Testing 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 Mixed Gas Conformance Requested.

Mixed Gas - CARBON DIOXIDE (CO₂) FOOD GRADE (NITROGEN (N₂) or OXYGEN (O₂))

		INDUSTRIAL ^{2,3}	CERTIFIED MIX ^{2,3}	PRIMARY STANARD ^{2,3}	
Carbon Dioxide Pure Gas Minimum Purity ⁴ :		≥99.9	≥99.9	≥99.9	
Nitrogen Pure Gas Minimum Purity ^{1,5} :		≥99.0	≥99.998	≥99.998	
Oxygen Pure Gas Minimum Purity ^{1,6} :		≥99.2	≥99.2	≥99.2	
Minor Component Specification:		5% – 35% ²	5% - 35% 10 ppm – 1%	5% - 35% 10 ppm – 1%	
Minor Component Tolerance:		≤5.0% - 0.5 Absolute >5.0% +/- 10%	+/- 2%	+/- 1%	
Moisture:		≤ 22 ppm	≤ 20 ppm	≤ 18 ppm	
Dew Point:		-65°F	-67°F	-69°F	
CGA Connection ⁷ :		580/296			
Lot Label Tracking:		Yes			
TECHNICAL					
UN ID:	1956 3156 ⁷	DOT Classification:	2.2 Non-Flammable Gas 2.2 (5.1) Non-Flammable Gas ⁷		
DOT Ship Name:	Compressed Gas, N.O.S (Carbon Dioxide, Nitrogen) Compressed Gas, N.O.S (Carbon Dioxide, Oxygen) Compressed Gas, Oxidizing N.O.S (Carbon Dioxide, Oxygen, Nitrogen)				
CARBON DIOXIDE		NITROGEN		OXYGEN	
Molecular Weight:	44 g/mol	Molecular Weight:	28 g/mol	Molecular Weight:	32 g/mol
Specific Volume:	8.74 ft³/lb	Specific Volume:	13.89 ft³/lb.	Specific Volume:	12.1 ft³/lb.
CAS NO:	124-38-9	CAS NO:	7727-37-9	CAS NO:	7782-44-7

Notes:

- Produced by Air Liquefaction Process Which Includes Trace Quantities of Argon, Neon and Helium
- Product Filled in Accordance w/ Standard Operating Procedures Ensuring Compliance with 21 CFR 110
- Certificate of Analysis Available Upon Request *(Includes Lot Tracking)*
- Carbon Dioxide Meets USDA and CGA G-6.2 Food Grade Specifications
- NF – Medical Nitrogen, National Formulary
- USP- Medical Oxygen, United States Pharmacopeia
- Oxygen Mixture Concentrations ≥23.6% Are Considered an Oxidizing Mixture and Will Be Shipped with a CGA 296 Outlet Connection