



Accreditation No: 103049



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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 – OXYGEN (O<sub>2</sub>) and NITROGEN (N<sub>2</sub>)

	INDUSTRIAL <sup>2,3</sup>	CERTIFIED MIX <sup>3,4</sup>	PRIMARY STANDARD <sup>3,4</sup>
Oxygen Pure Gas Minimum Purity <sup>1</sup> :	≥99.2	≥99.2	≥99.2
Nitrogen Pure Gas Minimum Purity <sup>1</sup> :	≥ 99.0	≥99.998	≥99.998
Minor Component Specification:	1% – 50% <sup>2</sup>	1% - 50% 10 ppm – 1%	1% - 50% 10 ppm – 1%
Minor Component Tolerance:	≤5.0% -  0.5  Absolute >5.0% +/- 10%	+/- 2%	+/- 1%
Moisture:	≤ 15 ppm	≤ 10 ppm	≤ 8 ppm
Dew Point:	-71°F	-76°F	-7°F
CGA Connection <sup>4</sup> :	580/296		
Lot Label Tracking:	No	Yes	Yes
TECHNICAL			
UN ID:	1956 3156 <sup>4</sup>	DOT Classification:	2.2 Non- Flammable Gas 2.2 (5.1) Non-Flammable Gas
DOT Ship Name:	Compressed Gas, N.O.S (Oxygen, Nitrogen) Compressed Gas, Oxidizing, N.O.S (Oxygen, Nitrogen) <sup>4</sup>		
OXYGEN		NITROGEN	
Molecular Weight:	31.99 g/mol	Molecular Weight:	28.014 g/mol
Specific Volume:	12.08 ft <sup>3</sup> /lb	Specific Volume:	13.98 ft <sup>3</sup> /lb
CAS NO:	7782-44-7	CAS NO:	7727-37-9

#### Notes:

- Produced by Air Liquefaction Process Which Includes Trace Quantities of Argon, Neon, Helium & Nitrogen
- Component Homogenization Results Excluded from Industrial Conformance Guarantee
- Certificate of Analysis Available Upon Request (*Includes Lot Tracking*)
- Oxygen Mixture Concentrations ≥23.6% Are Considered an Oxidizing Mixture and Will Be Shipped with a CGA 296 Outlet Connection