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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 Mixed Gas Conformance Requested.

Mixed Gas – HYDROGEN (H2) and NITROGEN (N2)

	INDUSTRIAL ^{2,3}	CERTIFIED MIX ³	PRIMARY STANDARD ³
Hydrogen Pure Gas Minimum Purity:	≥ 99.95	≥99.95	≥99.95
Nitrogen Pure Gas Minimum Purity ¹ :	≥99.998	≥99.998	≥99.998
Minor Component Specification ⁴ :	1% – 35% ²	2% - 35% 10 ppm – 1%	2% - 35% 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:	350	350	350
Lot Label Tracking:	No	Yes	Yes
TECHNICAL			
UN ID:	1954	DOT Classification:	2.1 Flammable Gas
DOT Ship Name:	Compressed Gas Flammable, N.O.S (Hydrogen, Argon)		
HYDROGEN		NITROGEN	
Molecular Weight:	2.016 g/mol	Molecular Weight:	28.014 g/mol
Specific Volume:	192 ft ³ /lb	Specific Volume:	13.98 ft ³ /lb
CAS NO:	1333-74-0	CAS NO:	7727-37-9

Notes:

- Produced by Air Liquefaction Process Which Includes Trace Quantities of Neon, Helium and Argon
- Component Homogenization Results Excluded from Industrial Conformance Guarantee
- Certificate of Analysis Available Upon Request (Includes Lot Tracking)
- Hydrogen Concentrations ≤5.7% Classified in Accordance with US DOT Regulations and Compressed Gas Association Publication (P-23, Standard For Categorizing Gas Mixture Containing Flammable and Non-Flammable Components) shall be marked as a 2.2 Non-Flammable, UN 1956 Mixture