



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 Hydrogen Grade Requested.

Hydrogen (H₂)

	Industrial	Zero ^{3,4}	Grade 5.0 ⁵
Minimum Purity:	99.95	99.995	99.999
Carbon Dioxide^{2,6}:	NT	NT	Sum ≤ 2.0 ppm
Carbon Monoxide^{2,6}:	NT	NT	
Nitrogen ^{2,6}:	NT	NT	≤ 4.0 ppm
Oxygen ²:	NT	NT	≤ 1.0 ppm
Total Hydrocarbon ^{2,6}:	NT	≤ 0.5 ppm	≤ 1.0 ppm
Moisture ²:	NT	≤ 8.0 ppm	≤ 3.0 ppm
Dew Point:	-60°F	-92°F	-96°F
Boiling Point	-432°F	-432°F	-432°F
CGA Connection:	350	350	350
Lot Label Tracking:	No	Yes	Yes
Reference Item No:	HY2	RSG 252	RSG 250
TECHNICAL INFORMATION			
UN ID:	1049	Molecular Weight:	2.016 g/mol
DOT Classification:	2.1 Flammable Gas	Specific Volume:	192 ft ³ /lb.
DOT Ship Name:	Hydrogen, Compressed	CAS NO:	1333-74-0

Notes:

1. NT – Not Tested
2. Certificate of Batch or Individual Analysis Specification Results Available Upon Request
3. Zero Grade Refers to Total Hydrocarbon Less Than 0.5 ppm
4. Meets MIL-BB-H-886E Type 1, Grade A Specification
5. Meets MIL-BB-H-886E Type 1, Grade B and C Specification
6. Specification Based on Raw Material Conformance to CGA QVL Grade (F&L) per CGA G5.3.7 2017