



CERTIFICATE OF CONFORMANCE

Keen Compressed Gas Co. Quality Control Program, Enables Keen To Meet or Exceed the Minimum Specifications Listed For The Product Grades Named Below In Compliance With Standard Operating Procedures, Industry and/or Government Guidelines. The Product Grades Below Are Eligible To Be Received With A Certificate of Batch or Individual Cylinder Analysis Upon Request.

Hydrogen (H₂)

	Industrial ⁴	Zero ^{3,4}	High Purity ⁵
Minimum Purity:	99.95	99.995	99.999
Carbon Dioxide:	≤ 10 ppm	Sum ≤ 1.0 ppm	Sum ≤ 1.0 ppm
Carbon Monoxide:	≤ 10 ppm		
Nitrogen:	≤ 400 ppm	≤ 5.0 ppm	≤ 4.0 ppm
Oxygen ²:	≤ 10 ppm	≤ 5.0 ppm	≤ 1.0 ppm
Odor:	NT	NT	NT
Total Hydrocarbon ²:	≤ 10 ppm	≤ 0.5 ppm	≤ 1.0 ppm
Moisture ²:	≤ 34 ppm	≤ 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 ^{4,5}:	No	Yes	Yes
Reference Item No:	HY2	RSG 252	RSG 250
TECHNICAL			
UN ID:	1049	Molecular Weight:	2.016 g/mol
DOT Classification:	2.1 Flammable Gas	Specific Volume:	192 cf/lb
DOT Ship Name:	Hydrogen, Compressed	CAS NO:	1333-74-0

Notes:

1. NT – Not Tested
2. Certificate of Analysis Specification Results Available Upon Request
3. Zero Grade Refers to Total Hydrocarbon Less Than 0.5 ppm
4. Meets MIL-BB-H-886E Specification Grade A
5. Meets MIL-BB-H-886E Specification Grade B and C