



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.

NITROGEN (N₂)

	Industrial ¹	NF ^{1,2,6}	Zero ^{1,4,7}	Grade 4.8 ⁷	High Purity ^{1,7}
Minimum Purity ^{5,7}:	99.0	99.0	99.998	99.998	99.999
Carbon Dioxide ⁷:	NT	≤ 1.0 ppm	≤ 5.0 ppm	≤ 1.0 ppm	≤ 1.0 ppm
Carbon Monoxide ⁷:	NT	≤ 10 ppm	≤ 5.0 ppm	≤ 5.0 ppm	≤ 1.0 ppm
Hydrogen:	NT	NT	NT	NT	NT
Oxygen ^{5,7}:	1%	1%	≤ 5.0 ppm	≤ 5.0 ppm	≤ 1.0 ppm
Odor:	NT	None	None	None	None
Total Hydrocarbon ^{5,7}:	NT	NT	≤ 0.5 ppm	≤ 0.5 ppm	≤ 0.5 ppm
Moisture ^{5,7}:	NT	NT	≤ 5.0 ppm	≤ 3.0 ppm	≤ 1.0 ppm
Dew Point:	-89°F	-89°F	-85°F	-92°F	-105°F
Boiling Point:	-320°F	-320°F	-320°F	-320°F	-320°F
CGA Connection ⁸:	580, 677	580	580	580	580
Lot Label Tracking:	No	Yes	Yes	Yes	Yes
TECHNICAL					
UN ID:	1066			Molecular Weight:	28 g/mol
DOT Classification:	2.2 Non-Flammable Gas			Specific Volume:	13.89 ft ³ /lb
DOT Ship Name:	Nitrogen, Compressed			CAS NO:	7727-37-9

Notes:

1. Produced by Air Liquefaction Process Which Includes Trace Quantities of Neon, Helium and Argon
2. NF – Medical Nitrogen, National Formulary
3. NT – Not Tested
4. Zero Grade Refers to Total Hydrocarbon Less Than 5 ppm
5. Certificate of Analysis Specification Results Available Upon Request
6. Meets USDA and CGA G-10.1 Food Grade Specifications
7. Meets MIL-PRF-27401G & MIL-A-A-59503C Specification
8. CGA Connection CGA 677 for 6000 PSI Cylinders