



4063 New Castle Ave, Bldg. 4061
 New Castle, DE 19720
 www.keengas.com
 P: (800) Keen-Gas

Publication Date: 08/30/2018

Revision Date: 06/12/2020

Revision No: 1.5

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 Nitrogen Grade Requested.

NITROGEN (N2)

	Industrial ¹	NF / Food Grade ^{1,2,6,9}	Zero ^{1,4,7}	Grade 4.8 ^{1,7}	Grade 5.0 ^{1,7}
Minimum Purity ^{5:}	99.0	99.0	99.998	99.998	99.999
Carbon Monoxide ^{5,9:}	NT	≤ 10.0 ppm	NT	NT	NT
Oxygen ^{5:}	NT	1%	≤ 5.0 ppm	≤ 5.0 ppm	≤ 1.0 ppm
Odor ^{5:}	NT	None	None	None	None
Total Hydrocarbon ^{5:}	NT	NT	≤ 0.5 ppm	≤ 0.5 ppm	≤ 0.5 ppm
Moisture ^{5:}	NT	NT	≤ 5.0 ppm	≤ 3.0 ppm	≤ 1.0 ppm
Dew Point:	-77°F	-77°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	580,677	580
Lot Label Tracking:	No	Yes	Yes	Yes	Yes
Reference Item No:	N2	N2NF/N2FG	RSG 404	RSG 412	RSG 402
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 & Argon
2. NF – Medical Nitrogen, National Formulary
3. NT – Not Tested
4. Zero Grade Refers to Total Hydrocarbon Less Than 0.5 ppm
5. Certificate of Batch or Individual 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
9. Specification Based on Raw Material Bulk Supplier Certificate of Analysis