



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.

AIR

	Industrial	Breathing (Grade D)	Medical Air (USP)	High Purity (2.0) ⁶	Air Zero (1.0) ^{4,6}	Ultra High Purity (0.1) ⁶
Percent (%) Oxygen^{2,5,6}:	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 22.0
Percent (%) Nitrogen:	Balance	Balance	Balance	Balance	Balance	Balance
Carbon Dioxide^{1,5}:	NT	≤ 500 ppm	≤ 500 ppm	≤ 1.0 ppm	≤ 1.0 ppm	None
Carbon Monoxide^{1,5}:	NT	≤ 10 ppm	≤ 10 ppm	≤ 0.5 ppm	≤ 0.5 ppm	≤ 0.5 ppm
Nitric Oxide^{1,5}:	NT	≤ 2.0 ppm ⁶	≤ 2.5 ppm	NT	NT	NT
Nitrogen Dioxide^{1,5}:	NT	≤ 0.5 ppm ⁶	≤ 2.5 ppm	NT	NT	NT
Odor:	None	None	None	None	None	None
Oil¹:	None	None	None	None	None	None
Sulfur Dioxide¹:	NT	NT	≤ 5.0 ppm	NT	NT	NT
Total Hydrocarbon^{5,6}:	NT	NT	≤ 5.0 ppm	≤ 2.0 ppm	≤ 1.0 ppm	≤ 0.1 ppm
Moisture^{5,6}:	≤ 10 ppm	≤ 10 ppm	NT	≤ 5.0 ppm	≤ 3.0 ppm	≤ 3.0 ppm
Dew Point:	-52°F	-76°F	-76°F	-85°F	-92°F	-92°F
CGA Connection:	590	346	346 / 970	590	590	590
Lot Label Tracking	No	Yes	Yes	Yes	Yes	Yes
Reference Item No:	CA2	BA2	BA2USP	RSG 036	RSG 021	RSG 038

TECHNICAL INFORMATION

UN ID:	1002	Molecular Weight:	28.96
DOT Classification:	2.2 Non-Flammable Gas	Specific Volume:	13.3 ft ³ /lb
DOT Ship Name:	Air, Compressed	CAS NO:	132259-10-0

Notes:

1. Synthesized Air Components (Oxygen USP & Nitrogen NF) Produced by Air Liquefaction Process. Specifications Based on CGA Standards; Impurity Tests Not Required and Excluded From Conformance Guarantee
2. Oxygen Content Measured By Paramagnetic Analyzation
3. NT – Not Tested
4. Zero Grade Refers to Total Hydrocarbon Less Than 1.0 ppm
5. Certificate of Analysis Specification Results Available Upon Request
6. Meets MIL-BB-A-1034B, Grade B Specification