



Accreditation No: 103049



4063 New Castle Ave, Bldg. 4061
New Castle, DE 19720
www.keengas.com
P: (302) 594-4545

Publication Date: 09/05/2019

Revision Date: 12/01/2025

Revision No: 1.8

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 Air Grade Requested.

AIR

	Industrial ¹	Dry Air ¹	Breathing (Grade D) ¹	Medical Air (USP) ¹	High Purity (2.0) ^{1,6}	Air Zero (1.0) ^{1,4,6}	Ultra High Purity (0.1) ^{1,6}
Percent (%) Oxygen ^{2,5}:	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5	19.5 – 23.5
Percent (%) Nitrogen:	Balance	Balance	Balance	Balance	Balance	Balance	Balance
Carbon Dioxide ^{5,7}:	NT	NT	NT	NT	NT	NT	≤ 1.0 ppm
Carbon Monoxide ^{5,7}:	NT	NT	NT	NT	NT	NT	≤ 1.0 ppm
Nitric Oxide ^{5,7}:	NT	NT	NT	NT	NT	≤ 0.1 ppm	≤ 0.1 ppm
Sulphur Dioxide ^{5,7}:	NT	NT	NT	NT	NT	≤ 0.1 ppm	≤ 0.1 ppm
Odor⁵:	None	None	None	None	None	None	None
Oil ¹:	None	None	None	None	None	None	None
Total Hydrocarbon⁵:	NT	NT	NT	NT	≤ 2.0 ppm	≤ 1.0 ppm	≤ 0.1 ppm
Moisture⁵:	NT	≤ 7.8 ppm	≤ 10 ppm	NT	≤ 5.0 ppm	≤ 3.0 ppm	≤ 3.0 ppm
Dew Point:	-52°F	-80°F	-76°F	-76°F	-85°F	-92°F	-92°F
CGA Connection:	590	590	346	346 / 950	590	590	590
Lot Label Tracking:	No	No	Yes	Yes	Yes	Yes	Yes
Reference Item No:	CA2	CA2Dry	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. Air by Reconstitution (Oxygen USP & Nitrogen NF) Produced by Air Liquefaction Process.
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 Batch or Individual Analysis Specification Results Available Upon Request
6. Meets MIL-BB-A-1034B, Source I, Grade B Specification
7. Specification Based on Raw Material Bulk Supplier Certificate of Analysis