



Accreditation No: 103049



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

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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 Argon Grade Requested.

ARGON (Ar)

	Industrial ^{1,6}	Zero ^{1,4,5,6}	Grade 4.8 ^{1,5,6}	Grade 5.0 ^{1,5,6}
Minimum Purity ³:	99.997	99.998	99.998	99.999
Nitrogen ³:	≤ 20 ppm	≤ 4.0 ppm	≤ 4.0 ppm	≤ 4.0 ppm
Oxygen ³:	≤ 5.0 ppm	≤ 5.0 ppm	≤ 2.0 ppm	≤ 1.0 ppm
Hydrogen ⁸:	≤ 5.0 ppm	≤ 5.0 ppm	≤ 5.0 ppm	≤ 5.0 ppm
Carbon Dioxide ⁸:	≤ 1.0 ppm	≤ 1.0 ppm	≤ 1.0 ppm	≤ 1.0 ppm
Odor:	NT	None	None	None
Total Hydrocarbon ³:	≤ 1.0 ppm ⁸	≤ 0.5 ppm	≤ 0.5 ppm	≤ 0.5 ppm
Moisture ³:	≤ 10 ppm	≤ 3.0 ppm	≤ 2.0 ppm	≤ 1.0 ppm
Dew Point:	-76°F	-92°F	-97°F	-105°F
Boiling Point:	-302°F	-302°F	-302°F	-302°F
CGA Connection ⁷:	580 / 677	580	580, 677	580
Lot Label Tracking:	No	Yes	Yes	Yes
Reference Item No:	AR3	RSG 091	RSG 069	RSG 085
TECHNICAL				
UN ID:	1006	Molecular Weight:		39.95g/mol
DOT Classification:	2.2 Non-Flammable Gas	Specific Volume:		9.7 ft ³ /lb.
DOT Ship Name:	Argon, Compressed	CAS NO:		7440-37-1

Notes:

1. Produced by Air Liquefaction Process Which Includes Trace Quantities of Neon & Helium
2. NT – Not Tested
3. Certificate of Batch or Individual Analysis Results Available Upon Request
4. Zero Grade Refers to Total Hydrocarbon Less Than 0.5 ppm
5. Meets MIL-DTL-18455D Type I, Specification
6. Meets AWS A5.32 (ISO 14175)-I1-Ar & CGA G11.1 Type 1, Grade C Specifications
7. CGA Connection 677 for 6000 PSI Cylinders
8. CO₂, H₂ and THC Results Based on Raw Material Bulk Supplier Certificate of Analysis