



Accreditation No: 103049



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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 Oxygen Grade Requested.

OXYGEN (O₂)

	Industrial ¹	USP ^{1,2,6}	Aviators ^{1,3,8}	Grade 2.6 ^{1,7}	Zero Grade ^{1,7}	Grade 4.4 ^{1,7,9}	Grade 5.0 UHP ^{1,7,9}
Minimum Purity ⁵:	99.0	99.2	99.5	99.6	99.6	99.994	99.999
Argon ⁵:	NT	NT	NT	NT	NT	≤ 35 ppm ⁸	≤ 5.0 ppm ⁸
Nitrogen ⁵:	NT	NT	NT	NT	NT	≤ 10 ppm ⁸	≤ 5.0 ppm ⁸
Carbon Dioxide ⁵:	NT	NT	NT	NT	NT	≤ 1.0 ppm ⁸	Sum ≤ 1.0 ppm ⁸
Carbon Monoxide ⁵:	NT	NT	NT	NT	NT	≤ 1.0 ppm ⁸	
Odor ⁵:	NT	None	None	None	None	None	None
Total Hydrocarbon:	NT	NT	NT	≤ 20 ppm	≤ 0.5 ppm ⁸	≤ 0.5 ppm ⁸	≤ 0.5 ppm ⁸
Moisture ⁵:	NT	NT	≤ 6.6 ppm	≤ 5.0 ppm	≤ 5.0 ppm	≤ 3.0 ppm	≤ 1.0 ppm
Dew Point:	NT	NT	-82°F	-86°F	-86°F	-92°F	-105°F
Boiling Point:	-361°F	-361°F	-361°F	-361°F	-361°F	-361°F	-361°F
CGA Connection:	540	540 /870	540	540	540	540	540
Lot Label Tracking:	No	Yes	Yes	Yes	Yes	Yes	Yes
Reference Item No:	OX2	OX2USP	OX2AV	RSG 470	RSG 450	RSG 472	RSG 458
TECHNICAL INFORMATION							
UN ID:	1072			Molecular Weight:	32 g/mol		
DOT Classification:	2.2 (5.1) Non-Flammable Gas, Oxidizing			Specific Volume:	12.1 ft ³ /lb.		
DOT Ship Name:	Oxygen, Compressed			CAS NO:	7782-44-7		

Notes:

- Produced by Air Liquefaction Process
- USP- Medical Oxygen, United States Pharmacopeia
- Aviators Breathing Oxygen (ABO) Is Not a Medical Gas and Therefore Is Not Classified as a Drug (Rx)
- NT – Not Tested
- Certificate of Analysis Specification Results Available Upon Request
- Food Chemical Codex for Food Grade Oxygen Does Not Exist. The USP and FCC Monographs Are Owned by The Same Organization, Therefore USP Monograph Will Be Used for Food Grade Oxygen
- Meets MIL-PRF-25508J Type 1, Grade A and B Specification
- Meets MIL-PRF-27210J, Type 1 Specifications
- Specification Based on Raw Material Conformance to UHP Grade 5.0 Certificate of Analysis
 - Actual Results Excluded from Conformance Guarantee