



OXYGEN O₂

Colorless, odorless, tasteless, highly oxidizing gas.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Oxygen, compressed
I.D. Number: UN1072
Hazard Class: 2.2 (5.1)
Shipping Labels: Nonflammable Gas, Oxidizer

TECHNICAL INFORMATION

Molecular Weight: 31.999
Specific Volume: 12.1 ft³/lb.
CAS Registry: 7782-44-7
Safety Data Sheet Reference: Oxygen

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) ²						
					H2O	THC (as CH ₄)	CO	CO ₂	Ar	N ₂	Kr
Research	5.0	99.999%	RES	SG OXRES-	0.5	0.2	0.5	0.5	3	5	2
Ultra High Purity	4.3	99.993%	UHP	SG OXUHP-	2	0.5	1	1	35	15	
Laser	4.0	99.99%	L	SG OXL-	5	1					
High Purity	2.8	99.8%	HP	SG OXHP-	5	50	1	10		100	
Zero (THC <0.5ppm)	2.6	99.6%	Z	SG OXZ-	3	0.5					

Notes:

¹ Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

² Specifications are typical results and are subject to change without notice.

CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume ³ ft ³	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
Carbon Steel Cylinders					
300 ⁴	T	303	2400	540	172
200 ⁴	K	225	2015	540	155
80	Q	76	2015	540	72
35	G	37	2015	540	33
Disposable Non-Refillable Cylinders					
Lecture Bottle	LB*	2	1800	*170	4

Notes:

³ This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on the cylinder manufacturer's specifications.

Also available in other packaging such as:

- ⁴ High capacity cylinders with special pressure ratings in singles and packs
- 6Packs & 15Packs in select sizes and grades
- Refer to Cryogenic Section for Liquid Oxygen
- Bulk tube trailers

Contact your WestAir representative about equipment recommendations for this product.