

Oxygen O_2

Technical Data

Molecular Weight	32.00
Boiling Point	- 297.3° F
Specific Volume	12.1 cf/lb
Critical Temperature	- 181.1° F
Critical Pressure	736.9 psia

Safety Data

Flammable Limits	Vigorously supports combustion
Toxicity	Nontoxic
Compatibility	Incompatible with hydrocarbons and combustibles

Shipping Data

DOT Name	Oxygen, Compressed
Hazard Class	2.2
ID No.	UN1072
DOT Label	Nonflammable Gas and Oxidizer
CAS. No.	7782-44-7

Ultra Scientific

Specifications: Min. purity 99.9999%
 Total maximum impurities < 1 ppm (Argon free basis)
 Each cylinder individually certified

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator		
					Type	Series	Page
LW106	T	337	2640	540	Two-stage	Model 600	122
					Single-stage	Model 600	121

Scientific

Specifications: Min. purity 99.999%
 Ar < 5 ppm
 CO & CO₂ < 0.5 ppm
 Kr < 1 ppm
 N₂ < 2 ppm
 THC < 0.5 ppm
 H₂O < 1 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator		
					Type	Series	Page
LW104	T	337	2640	540	Two-stage	Model 600	122
AC110	K	251	2200	540	Single-stage	Model 600	121
LW162	LB	2	1775	180	Lecture bottle	Model 400	133

Research

Specifications: Min. purity 99.997%
 Ar < 10 ppm
 CO & CO₂ < 2 ppm
 Kr < 10 ppm
 THC < 1 ppm
 H₂O < 1 ppm
 N₂ < 5 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator		
					Type	Series	Page
LW107	T	337	2640	540	Two-stage	Model 600	122
LW107K	K	251	2200	540	Single-stage	Model 600	121