



## OXYGEN (O<sub>2</sub>) CGA-540

A colorless, odorless, oxidizing compressed gas at high pressure.

**Toxicity:** Nontoxic; exposure to high concentrations adversely affects pulmonary and central nervous systems.

**Fire Potential:** Strong oxidizer; supports and vigorously accelerates combustion. Avoid contact with oil, grease, or other combustible materials.

**Compatible Materials:** Non-corrosive; structural materials must be suitable for oxygen service.

**Molecular Weight:** 32.00

**Specific Volume at 70°F and 1 atm:** 12.08 ft<sup>3</sup>/lb

**DOT Hazard Class:** Nonflammable Gas (2.2)

**DOT Label:** Oxidizer and Nonflammable Gas

**DOT ID No.:** UN 1072

**CAS No.:** 7782-44-7

\*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.

### OXYGEN, Research Grade 5.0

Minimum Purity 99.999%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
025	02196025S	25 Cu. ft	2000 P.S.I.	THC < 0.2 N <sub>2</sub> < 5
244	02196244S	251 Cu. ft	2015 P.S.I.	H <sub>2</sub> O < 0.5 Ar < 5 CO <sub>2</sub> < 0.5 Kr < 2

### OXYGEN, Ultra Pure Carrier Grade 4.6

Minimum Purity 99.996%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
025	02192025S	25 Cu. ft	2000 P.S.I.	THC < 0.5
244	02192244S	251 Cu. ft	2015 P.S.I.	H <sub>2</sub> O < 1.0

### OXYGEN, UHP Grade 4.0

Minimum Purity 99.994%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
025	02190025S	25 Cu. ft	2000 P.S.I.	THC < 0.5
244	02190244S	251 Cu. ft	2015 P.S.I.	H <sub>2</sub> O < 2.0

### OXYGEN, Zero Grade 2.8

Minimum Purity 99.8%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
025	02193025S	25 Cu. ft	2000 P.S.I.	THC < 0.5 as CH <sub>4</sub>
244	02193244S	251 Cu. ft	2015 P.S.I.	

### OXYGEN, Aviators Breathing Grade 2.5

Minimum Purity 99.5%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
025	02187025S	25 Cu. ft	2000 PS.I.	DP. < -82°F
244	02187244S	251 Cu. ft	2015 PS.I.	MIL - 027210E



## Oxygen (O<sub>2</sub>) Continued

### OXYGEN, Liquid Grade 2.5

Minimum Purity 99.5%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
196	01020196L	196 Liters	22-235 P.S.I.	DP. <-63°F
230	01 020230L	230 Liters	22-235 P.S.I.	

### OXYGEN, Medical U.S.P. Grade 2.5

Minimum Purity 99.5%

Order Size	Product Code	Approximate Capacity	Capacity Liters	Approximate Pressure	Typical Impurities (Molar ppm)
006	01010006M	7 Cu. ft	210	2000 P.S.I.	THC < 5
012	01010012M	15 Cu. ft	425	2000 P.S.I.	U.S.P. requirements
025	01010025M	25 Cu. ft	705	2000 P.S.I.	
060	01010060M	63 Cu. ft	1,784	2000 P.S.I.	
122	01010122M	125 Cu. ft	3,540	2015 P.S.I.	
244	01010244M	251 Cu. ft	7,108	2015 P.S.I.	

Meets U.S.P, Requirements FDA Minimum Purity 99%

### OXYGEN, Commercial Grade 2.0

Minimum Purity 99%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
012	01010012S	15 Cu. ft	2000 P.S.I.	H <sub>2</sub> O
020	01010020S	17 Cu. ft.	2000 P.S.I.	- None condensed
040	01010040S	32 Cu. ft.	2000 P.S.I.	
060	01010060S	63 Cu. ft.	2000 P.S.I.	
122	01010122S	125 Cu. ft.	2015 P.S.I.	
244	01010244S	251 Cu. ft.	2015 P.S.I.	

### REGULATORS

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05390017C	Western	SG-SH	0-15, 0-45	Single Stage, General Purpose
05390017C	Western	SHSS	0-100, 0-150	Single Stage, High Purity Gas
05330210C	Western	Yoke	0-15L	Liter Flow Medical
05330220C	Western	Std.	0-15L	Liter Flow Medical
05330210C	Western	Yoke	0-100	Medical
05330220C	Western	Std.	0-100	Medical