



NITROUS OXIDE



Colorless, odorless, nontoxic, liquefied nonflammable gas with a slightly sweet taste and odor.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Nitrous Oxide
I.D. Number: UN1070
Hazard Class: 2.2 (5.1)
Shipping Labels: Nonflammable Gas, Oxidizer

TECHNICAL INFORMATION

Molecular Weight: 44.013
Specific Volume: 8.79 ft³/lb.
CAS Registry: 10024-97-2
Safety Data Sheet Reference: Nitrous Oxide

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) ²								
					H ₂ O	THC (as CH ₄)	CO + CO ₂	CO ₂	CO	N ₂	NO ₂	NOx	NH ₃
Electronic	5.5	99.9995%	EL	SG NXEL-	1	0.1		0.2	0.3	0.3	0.3	0.1	0.1
Ultra Plus	5.0	99.999%	UP	SG NXUP-	2	0.2		0.5	2	2	0.2	0.3	0.5
Lab & Spec	4.5	99.995%	LSG	SG NXLSG-	5	5	5			20	1	1	
Ultra High Purity	4.0	99.99%	UHP	SG NXUHP-	5	1		100	5		1	1	5
Atomic Absorption	2.6	99.6%	AA	SG NXAA-	5	20		300					25

Notes:

¹ Complete the catalog number by selecting cylinder size code using chart below.

² Liquid Phase Analysis. Specifications are typical results and are subject to change without notice. Product sold on the basis of total impurities. Individual impurities may vary slightly.

CYLINDER INFORMATION

Cylinder Size ³	Cylinder Size Code	Volume ⁴ Lbs.	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
Carbon Steel Cylinders					
200	K	56	745	326	207
80	Q	20	745	326	85
Aluminum Cylinders					
150A	DA	40	745	326	44
30A	GA	6	745	326	10

Notes:

³ Syphon Tubes are available upon request for liquid withdrawal for select sizes and grades. Add "S" after cylinder size code

⁴ This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on cylinder manufacturer.

Also available in medical and food grades. Contact your WestAir representative for details.

Contact your WestAir representative about equipment recommendations for this product.