



NITROGEN N_2

Colorless, odorless, nonflammable inert gas.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Nitrogen, compressed
I.D. Number: UN1066
Hazard Class: 2.2
Shipping Labels: Nonflammable Gas

TECHNICAL INFORMATION

Molecular Weight: 28.013
Specific Volume: 13.3 ft³/lb.
CAS Registry: 7727-37-9
Safety Data Sheet Reference: Nitrogen

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) ¹							
				O2	H2O	THC (as CH4)	CO2	CO	CO2	NOx	SO2
Research	6.0	99.9999%	RES	0.2	0.2	0.1	0.1	0.1			
CEM Zero	5.5	99.9995%	CEM	0.5	2	0.5		1	0.5	0.1	0.1
Ultra Carrier	5.5	99.9995%	UC	1	1	0.5	1				
Lab & Spec	5.5	99.9995%	LAB	1	1	0.5					
Ultra High Purity	5.0	99.999%	UHP	2	2	0.5					
Laser Shield Ultra	5.0	99.999%	LSU	1	2	0.5					
Laser Shield	4.8	99.998%	LS	5	3	0.5					
High Purity	4.8	99.998%	HP	5	3						

Notes: ¹ Specifications are typical results and are subject to change without notice.

CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume ² ft ³	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
Carbon Steel Cylinders					
6K ³	6K	493	6000	677	340
3K ³	3K	341	3500	680	215
300	T	300	2640	580	166
200	K	225	2200	580	151
80	Q	76	2200	580	71
35	G	37	2200	580	33
Aluminum Cylinders					
150A	DA	141	2015	580	59
80A	QA	81	2200	580	37
33A	GA	31	2200	580	11
Non-Refillable Cylinders					
Lecture Bottle	LBX	1.8	1800	170	4

Notes:

² Approximate fill volume. May vary slightly depending on cylinder manufacturer.

³ Only available in UHP grades or lower.

Also available in other packaging such as:

- 6Packs & 15Packs in select sizes and grades
- Refer to Cryogenic Section for Liquid Nitrogen Dewars
- Microbulk & Bulk trailers

Contact your WestAir representative about equipment recommendations for this product.