



# 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 ft<sup>3</sup>/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) <sup>1</sup>								
				O2	H2O	THC (as CH4)	CO+CO2	CO	CO2	NOx	SO2	
Research	6.0	99.9999%	RES	0.2	0.2	0.1	0.2					
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:** <sup>1</sup> Specifications are typical results and are subject to change without notice.

## CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume <sup>2</sup> ft <sup>3</sup>	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
<b>Carbon Steel Cylinders</b>					
6K <sup>3</sup>	6K	493	6000	677	340
3K <sup>3</sup>	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
<b>Aluminum Cylinders</b>					
150A	DA	141	2015	580	59
80A	QA	81	2200	580	37
33A	GA	31	2200	580	11
<b>Non-Refillable Cylinders</b>					
Lecture Bottle	LBX	1.8	1800	170	4

**Notes:**

<sup>2</sup> Approximate fill volume. May vary slightly depending on cylinder manufacturer.  
<sup>3</sup> 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.*