



# DEUTERIUM $D_2$

*Colorless, odorless, flammable gas.*

## SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Deuterium, compressed  
I.D. Number: UN1957  
Hazard Class: 2.1  
Shipping Labels: Flammable Gas

## TECHNICAL INFORMATION

Molecular Weight: 4.032 g/mol  
Specific Volume: 95.9 ft<sup>3</sup>/lb.  
CAS Registry: 7782-39-0  
Safety Data Sheet Reference: Deuterium

## PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number <sup>1</sup>	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) <sup>2</sup>
					Sum of all Impurities <sup>3</sup>
Research Isotopic Enrichment 99.8%	5.0	99.999%	RES	SG DERES-	< 15 PPM <sup>2</sup>
Ultra High Purity Isotopic Enrichment 99.7%	4.5	99.995%	UHP	SG DEUHP-	< 25 PPM <sup>2</sup>

### Notes:

<sup>1</sup> Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

<sup>2</sup> Specifications are typical results and are subject to change without notice. Chemical purity excludes Hydrogen and Deuterium Hydride. A certification will be provided upon request for a nominal fee.

## CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume <sup>3</sup> ft <sup>3</sup>	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
<b>Carbon Steel Cylinders</b>					
300	T	251	2500	350	147
200	K	212	1760	350	134
80	Q	35	890	350	75
35	G	18	1090	350	39
<b>Disposable Non-Refillable Cylinders</b>					
Lecture Bottle	LB*	50 Liters	1740	*170 or *350	4

### Notes:

<sup>3</sup> This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on the cylinder manufacturer's specifications.

*Contact your WestAir representative about equipment recommendations for this product.*