



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 ft³/lb.
 CAS Registry: 7782-39-0
 Safety Data Sheet Reference: Deuterium

PRODUCT GRADE SPECIFICATIONS

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

Notes:

¹ Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".
² 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 ³ ft ³	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
Carbon Steel Cylinders					
300	T	251	2500	350	147
200	K	212	1760	350	134
80	Q	35	890	350	75
35	G	18	1090	350	39
Disposable Non-Refillable Cylinders					
Lecture Bottle	LB*	50 Liters	1740	*170 or *350	4

Notes:

³ 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.