



Deuterium (D₂)

Specifications

	GRADE 4.5	GRADE 5
Purity	99.995%	99.999%
Nitrogen	< 5 ppmv	< 1 ppmv
Oxygen	< 1 ppmv	< 1 ppmv
Moisture/ Deuterated Water	< 5 ppmv	< 1 ppmv
Carbon Dioxide	< 2 ppmv	< 1 ppmv
Carbon Monoxide	< 1 ppmv	< 1 ppmv
Deuterium Hydride	< 5,000 ppmv	< 3,000 ppmv
Hydrogen	< 150 ppmv	< 100 ppmv
Hydrocarbons	< 1 ppmv	< 1 ppmv
Tritium	< 0.002 µCi/L	

Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.

Cylinder Sizes

SIZE	FILL WEIGHT (L)
44L/Size 200	5,000
16L/Size 80	1,800
3L/Size 10	100

Technical Data

Molecular Weight: 4.03 g/mol
Valve Outlet: CGA 350

Shipping Information

DOT Name: Deuterium
Hazard Class: 2.1
DOT Number: UN 1957
DOT Label: Flammable Gas
CAS Number: 7782-39-0