



Hydrogen

A colorless, odorless, flammable gas

TECHNICAL INFORMATION

Chemical Symbol	H ₂
Molecular Weight	2.02
Specific Volume	192 ft ³ /lb
CAS Registry Number	1333-74-0

SHIPPING INFORMATION

DOT Proper Name	Hydrogen, Compressed
Hazard Class	2.1
ID Number	UN 1049
Labels	Flammable Gas

CYLINDER SIZES AVAILABLE

Std. Cylinder Sizes*	Contents	Cylinder Pressure (PSIG)	CGA Valve Connection
300	261	2400	350
200	195	2000	350
80	71	2000	350
6K	483	6000	703

*Nonstandard cylinder sizes available upon request

Specifications Subject to Change Call to Confirm

Grade	Purity	Impurity	Specifications	Equipment Recommended
Research Purity 6.0	99.9999%	Oxygen Water Nitrogen THC CO ₂ + CO	<0.2ppm <0.5ppm <0.3ppm <0.1ppm <0.1ppm	3200-3500
Ultra High Purity 5.0	99.999%	Moisture Oxygen Nitrogen Total Hydrocarbons	<3ppm <1ppm <5ppm <1ppm	3100-3200
4.5 Zero	99.995%	Total Hydrocarbons	<0.5ppm	3800
High Purity 4.0	99.99%	Moisture Oxygen	<10ppm <20ppm	3100-3200
4.8 (6000 PSIG)	99.998%	Moisture Oxygen	<3ppm <5ppm	3800

This information in no way replaces the Safety Data Sheets (SDS) for use and safety standards. Please refer to the SDS for details.

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