HYDROGEN (H_2)

A flammable, colorless, odorless gas.

Purity Specifications	Grade 4.5 99.995%	Grade 5.0 99.999%	Grade 5.5 99.9995%	Grade 6.0 99.9999%
Nitrogen	< 20 ppm	< 6 ppm	< 1 ppm	< 0.5 ppm
Oxygen	< 5 ppm	< 2 ppm	< 0.5 ppm	< 0.5 ppm
Carbon Dioxide/Carbon Monoxide	< 2 ppm	< 2 ppm	< 0.5 ppm	< 0.5 ppm
Total Hydrocarbons	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm	< 0.5 ppm
Moisture	< 5 ppm	< 3 ppm	< 3 ppm	< 0.5 ppm
Total Impurities	< 50 ppm	< 10 ppm	< 5 ppm	< 1 ppm

Moisture level guaranteed only when AGT prepares the cylinders.
All concentrations are on a mol/mol basis unless otherwise stated.
This product is analyzed gas phase.

Cylinder Size	Fill Weight (lbs)	Fill Volume (scf)
49	1.3	259
44	1.0	195
16	0.4	71
7	0.2	35
29AL	0.7	133

Technical Data:

Mol. Wt: 2.016
Sp. Volume: . . . . . 191.3 cf/lb
Flammability Limits: . . . . . 4.0 - 75.0% in Air
Valve Outlet: . . . . . CGA 350
LB CGA 170 or CGA 350

Shipping Information:

DOT Name: . . . . . Hydrogen, Compressed
Hazard Class: 2.1
DOT No.: . . . . . UN 1049
DOT Label: . . . . . Flammable Gas
CAS No.: 1333-74-0

ADVANCED GAS TECHNOLOGIES
1401 Stauffer Road, Palm, PA 18070 • Phone: 215-541-4116 / 215-541-4117 • Fax: 215-541-4443 • Email: info@advgas.com