

ETHANE (C₂H₆)

A flammable, colorless, odorless, liquefied gas.

Purity Specifications	Grade 2.0 99%	Grade 2.5 99.5%	Grade 3.0 99.9%	Grade 3.5 99.95%	Grade 4.0 99.99%
Nitrogen	< 500 ppm	< 100 ppm	< 100 ppm	< 50 ppm	< 10 ppm
Oxygen	< 200 ppm	< 25 ppm	< 20 ppm	< 10 ppm	< 4 ppm
Carbon Dioxide/Carbon Monoxide	< 200 ppm	< 30 ppm	< 10 ppm	< 10 ppm	< 8 ppm
Other Hydrocarbons	< 9000 ppm	< 4000 ppm	< 800 ppm	< 400 ppm	< 80 ppm
Moisture	< 10 ppm	< 10 ppm	< 5 ppm	< 5 ppm	< 5 ppm
Total Impurities	< 1%	< 5000 ppm	< 1000 ppm	< 500 ppm	< 100 ppm

Purity Specifications	Grade 4.5 99.995%	Grade 5.0 99.999%	Grade 5.5 99.9995%
Nitrogen	< 5 ppm	< 3 ppm	< 1 ppm
Oxygen	< 2 ppm	< 1 ppm	< 1 ppm
Carbon Dioxide/Carbon Monoxide	< 4 ppm	< 2 ppm	< 1 ppm
Other Hydrocarbons	< 40 ppm	< 6 ppm	< 3 ppm
Moisture	< 5 ppm	< 3 ppm	< 1 ppm
Total Impurities	< 50 ppm	< 10 ppm	< 5 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 liquid phase.

Cylinder Size	Fill Weight (lbs)
49	40.0
44	32.0
16	12.0
7	5.0

Technical Data:

Mol. Wt: 30.07
 Sp. Volume: 12.8 cf/lb
 Pressure @ 70°F: 543 psig
 Flammability Limits: 3.0 - 12.5% in Air
 Valve Outlet: CGA 350
 LB CGA 170

Shipping Information:

DOT Name: Ethane, Compressed
 Hazard Class: 2.1
 DOT No.: UN 1035
 DOT Label: Flammable Gas
 CAS No.: 78-84-0

