

# ISOBUTANE (C<sub>4</sub>H<sub>10</sub>)

A colorless, flammable, liquefied gas.

Purity Specifications	Grade 2.0 99%	Grade 2.5 99.5%	Grade 3.0 99.99%	Grade 3.5 99.95%	Grade 4.0 99.99%	Grade 4.5 99.995%
Nitrogen	< 800 ppm	< 400 ppm	< 160 ppm	< 20 ppm	< 20 ppm	< 10 ppm
Oxygen	< 200 ppm	< 100 ppm	< 40 ppm	< 5 ppm	< 5 ppm	< 2 ppm
Other Hydrocarbons	< 9000 ppm	< 4900 ppm	< 1000 ppm	< 500 ppm	< 90 ppm	< 45 ppm
Sulfur	< 1 ppm	< 1 ppm	< 1 ppm	< 1 ppm	< 1 ppm	< 1 ppm
Moisture	< 10 ppm	< 5 ppm	< 4 ppm	< 3 ppm	< 2 ppm	< 2 ppm
Total Impurities	< 1 %	< 5000 ppm	< 1000 ppm	< 500 ppm	< 100 ppm	< 50 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)
1/2 ton	490.0
LP30	117.0
LP15	60.0
LP05	23.0
LP01	6.0
49	50.0
44	45.0
16	16.0
7	7.0

## Technical Data:

Mol. Wt: . . . . . 58.124  
Sp. Volume: . . . . . 6.50 cf/lb  
Pressure @ 70°F: . . . . . 31 psig  
Flammability Limits: . . . . . 1.8 - 8.4% in Air  
Valve Outlet: . . . . . CGA 510  
LB CGA 170

## Shipping Information:

DOT Name: . . . . . Isobutane  
Hazard Class: . . . . . 2.1  
DOT No.: . . . . . UN 1969  
DOT Label: . . . . . Flammable Gas  
CAS No.: . . . . . 75-28-5