



Isobutane (C₄H₁₀)

Specifications

	GRADE 2	GRADE 2.5	GRADE 3	GRADE 3.5	GRADE 4	GRADE 4.5
Purity	99.0%	99.5%	99.9%	99.95%	99.99%	99.995%
Nitrogen	< 800 ppmv	< 400 ppmv	< 160 ppmv	< 20 ppmv	< 20 ppmv	< 10 ppmv
Oxygen	< 200 ppmv	< 100 ppmv	< 40 ppmv	< 5 ppmv	< 5 ppmv	< 2 ppmv
Other Hydrocarbons	< 9,000 ppmv	< 4,900 ppmv	< 1,000 ppmv	< 500 ppmv	< 90 ppmv	< 45 ppmv
Sulfur	< 1 ppmv	< 1 ppmv	< 1 ppmv	< 1 ppmv	< 1 ppmv	< 1 ppmv
Moisture	< 10 ppmv	< 5 ppmv	< 4 ppmv	< 3 ppmv	< 2 ppmv	< 2 ppmv
Total Impurities	< 1%	< 5,000 ppmv	< 1,000 ppmv	< 500 ppmv	< 100 ppmv	< 50 ppmv

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 (LB)
1/2 Ton	490
LP30	117
LP15	60
LP05	23
LP01	6
49L/Size 300	50
44L/Size 200	45
16L/Size 80	16
7L/Size 35	7

Technical Data

Molecular Weight: 58.124 g/mol
 Specific Volume: 6.50 cu.ft./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 Number: UN 1969
 DOT Label: Flammable Gas
 CAS Number: 75-28-5