



## n-Butane (C<sub>4</sub>H<sub>10</sub>)

### Specifications

	GRADE 2	GRADE 2.5	GRADE 3	GRADE 3.5	GRADE 4
Purity	99.0%	99.5%	99.9%	99.95%	99.99%
Nitrogen	< 400 ppmv	< 400 ppmv	< 100 ppmv	< 40 ppmv	< 20 ppmv
Oxygen	< 100 ppmv	< 100 ppmv	< 20 ppmv	< 10 ppmv	< 5 ppmv
Other Hydrocarbons	< 9,000 ppmv	< 4,500 ppmv	< 900 ppmv	< 500 ppmv	< 90 ppmv
Sulfur	< 1 ppmv	< 1 ppmv	< 1 ppmv	< 1 ppmv	< 1 ppmv
Moisture	< 10 ppmv	< 5 ppmv	< 4 ppmv	< 3 ppmv	< 3 ppmv
Total Impurities	< 1%	< 5,000 ppmv	< 1,000 ppmv	< 500 ppmv	< 100 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	500
LP30	120
LP15	60
LP05	24
LP01	6
49L/Size 300	55
44L/Size 200	45
16L/Size 80	17
7L/Size 35	7

### Technical Data

Molecular Weight: 58.12 g/mol  
 Specific Volume: 6.4 cu.ft./lb  
 Pressure @ 70° F: 16.3 psig  
 Flammability Limits: 1.8-8.4% in Air  
 Valve Outlet: CGA 510 LB CGA 170

### Shipping Information

DOT Name: Butane  
 Hazard Class: 2.1  
 DOT Number: UN 1011  
 DOT Label: Flammable Gas  
 CAS Number: 106-97-8