



Product Specification

N- BUTANE (n-C₄H₁₀)

General Characteristics: A colorless, flammable, liquefied and odorless gas.

Health Hazards: A simple asphyxiant

Gas Grade/Purity	Cylinder Size	Contents	Product Code
RESEARCH Min. Purity: 99.95% CO/ CO ₂ < 20 ppm, H ₂ O < 10 ppm, N ₂ < 100 ppm, O ₂ < 20 ppm, Other HC < 500 ppm	110 LP	45 kg	C4H103N5R
	18 LP	9 kg	C4H103N5G
	LB	170 g	C4H103N5LB
INSTRUMENTAL Min. Purity: 99.5% Liquid Phase	110 LP	45 kg	C4H102N5R
	18 LP	9 kg	C4H102N5G
	LB	170 g	C4H102N5LB
CHEMICALLY PURE (CP) Min. Purity: 99.0% Liquid Phase	110 LP	45 kg	C4H102NR
	18 LP	9 kg	C4H102NG
	LB	170 g	C4H102NLB

Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
110 LP	57 cm x 113 cm approx.	CGA 510	Net content : 45 kg Pressure@70°F: 16.3 psig
18 LP	30 cm x 46 cm approx.	CGA 510	Net content : 9 kg Pressure@70°F: 16.3 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 170 g Pressure@70°F: 16.3 psig

Technical Information

Molecular Weight	58.12	Dot Name	Butane Gas
Specific Volume	6.40CF/lb	UN No.	UN1011
Fire Potential	1.8 - 8.4 % in Air	Dot Class	2.1
TLV-TWA	800 ppm (ACGIH 1991-1992)	Dot Label.....	Flammable Gas
CGA Valve	510	Cas Registry	106-97-8
LB	180	Cylinder Pressure	16.3 psig