

n-Butane (C₄H₁₀)

A flammable, colorless, liquefied gas with gasoline-like odor.

Purity Specifications	Purity	N ₂	O ₂	Other HC's	Ethane	Propane	Moisture	Sulfurs
Research	99.99%	< 20	< 5	< 90	< 30	< 150	< 3	< 1
Ultra High Purity (UHP)	99.9%	< 100	< 20	< 900	< 75	< 300	< 4	< 1
Instrument	99.5%	< 400	< 100	< 4,500				< 1
Chemically Pure (CP)	99.0%							

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations					
	Cylinder Size	Contents lbs	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number			
Research	350	116	510	NBR 350	16	Single-Stage Regulator Y11-LC241A510	0-15	E12			
	LP5	23	510	NBR LP5	16						
LP1	5	510	NBR LP1	16							
Impurities listed are typical. Total impurities guaranteed < 100 ppm. Certificate of Conformance provided upon request.											
Ultra High Purity (UHP)	1/2 TON	485	510	NBUHP HTN	16						
	350	116	510	NBUHP 350	16						
	LP5	23	510	NBUHP LP5	16						
Impurities listed are typical. Total impurities guaranteed < 1000 ppm. Certificate of Conformance provided upon request.											
Instrument	1/2 TON	485	510	NB IHTN	16						
	350	116	510	NB I350	16						
	LP5	23	510	NB ILP5	16						
Impurities listed are typical. Total impurities guaranteed < 0.5%. Certificate of Conformance provided upon request.											
Chemically Pure (CP)	1/2 TON	485	510	NB CPHTN	16						
	350	116	510	NB CP350	16						
	LP5	23	510	NB CPLP5	16						
Impurities listed are typical. Total impurities guaranteed < 1.0%. Certificate of Conformance provided upon request.											

Technical Data & Shipping Information

Molecular Weight	58.12
Specific Volume	6.7 cf/lb @70° F
Flammability Limits in Air	1.9 - 8.5% in Air
U.S. DOT Name	Butane
ID Number	UN 1011
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	106-97-8