

n-Butane (C₄H₁₀)

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

Product Specifications	Purity	N ₂	O ₂	Other HC's	H ₂ O	Sulfurs
Research	99.99%	≤ 20	≤ 5	≤ 90*	≤ 3	≤ 1
Instrument	99.5%	≤ 400	≤ 100	≤ 4,500*	≤ 5	≤ 1
Chemically Pure (CP)	99.0%					

Concentrations given are ppm by volume unless otherwise specified.

Analysis based on liquid phase.

*Other HC's are defined as Iso-Butane, N-Pentane, Iso-Pentane, Butene, Ethane, and Propane.

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	NB R350	16	Single-Stage Regulator Y11-LC241A510	0-25	E16			
	LP5	23	510	NB RLP5	16						
	LP1	5	510	NB RLP1	16						
Individual Certificate of Analysis available upon request.											
Instrument	1/2 TON	485	510	NB IHTN	16						
	350	116	510	NB I350	16						
	LP5	23	510	NB ILP5	16						
	Individual or Batch Certificate of Analysis available 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						
	Individual or Batch Certificate of Analysis available upon request.										

Technical Data & Shipping Information	
Molecular Weight	58.1222
Specific Volume	6.66 cf/lb @70° F & 1 ATM
Flammability Limits in Air	1.6 - 8.4% 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

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.