

Isobutane (iso-C₄H₁₀)

A flammable, colorless liquefied gas.

Product Specifications	Minimum Purity	H ₂ O	O ₂	Other Hydrocarbons	Sulfur	N ₂
Research	99.99%	≤ 2	≤ 5	≤ 90	≤ 1	≤ 20
Instrument	99.5%	≤ 3	≤ 100	≤ 4500	≤ 1	≤ 400
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	111	510	BI R350	31	Single-Stage Regulators Y11-244 * 510 Y11-LC241 * 510 Y11-C440N	A = 0-25 B = 0-50 0-10	E11 E16 E35		
	LP5	22	510	BI RLP5	31					
LP1	5	510	BI RLP1	31						
Certificate of Analysis available upon request.										
Instrument	1/2 TON	466	510	BI IHTN	31					
	350	111	510	BI I350	31					
	LP5	22	510	BI ILP5	31					
	Individual or Batch Certificate of Analysis available upon request.									
Chemically Pure (CP)	1/2 TON	466	510	BI CPHTN	31					
	350	111	510	BI CP350	31					
	LP5	22	510	BI CPLP5	31					
	Individual or Batch Certificate of Analysis available upon request.									

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	58.1222
Specific Volume	6.66 cf/lb @70° F & 1 ATM
Flammability Limits in Air	1.8 - 8.4% in Air
U.S. DOT Name	Isobutane
ID Number	UN 1969
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	75-28-5

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.