

Propane (C₃H₈)

A flammable, colorless liquefied gas.

Purity Specifications	Minimum Purity	H ₂ O	O ₂	Other Hydrocarbons	C ₃ H ₆	N ₂	CO ₂
Research	99.99%	< 3	< 2	< 80	< 10	< 10	< 2
Instrument	99.5%	< 5	< 100	< 4,000	< 400	< 400	< 100
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	95	510	PR R350	110	Single-Stage Regulator Y11-244 * 510	A = 0-25 B = 0-50 D = 0-100	E10
	LP5	19	510	PR RLP5	110			
	LP1	4	510	PR RLP1	110			
Impurities listed are typical. Total impurities guaranteed < 100 ppm. Certificate of Conformance included.						* Insert Delivery Pressure Range Code		
Instrument	1/2 TON	400	510	PR IHTN	110	Single-Stage Regulator Y11-215 * 510	A = 0-25 B = 0-50 D = 0-100	E7
	350	95	510	PR I350	110			
	LP5	19	510	PR ILP5	110			
Impurities listed are typical. Total impurities guaranteed < 0.5%. Certificate of Conformance provided upon request.						* Insert Delivery Pressure Range Code		
Chemically Pure (CP)	1/2 TON	400	510	PR CPHTN	110			
	350	95	510	PR CP350	110			
	LP5	19	510	PR CPLP5	110			
Total impurities guaranteed < 1%. Certificate of Conformance provided upon request.						* Insert Delivery Pressure Range Code		

Technical Data & Shipping Information	
Molecular Weight	44.10
Specific Volume	8.8 cf/lb @70° F
Flammability Limits in Air	2.1 - 9.5% in Air
U.S. DOT Name	Propane
ID Number	UN 1978
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	74-98-6