

Propane (C₃H₈)

A flammable, colorless liquefied gas.

Grade	% Purity	H ₂ O	O ₂	Other HC's	C ₃ H ₈	N ₂	CO ₂
Semiconductor* ^(#)	99.999	1	1	1	1	1	1
Research*	99.99	3	2	80 ⁽¹⁾	10	10	2
Instrument*	99.5	5	100	4000 ⁽¹⁾	400	400	100
Chemically Pure*	99.0						

Concentrations given are ppm by volume unless otherwise specified.

Notes

* Non-odorized product less than 1ppm sulfurs

⁽¹⁾ Other HC's are defined as Methane, Ethane, and Ethylene.

^(#) Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

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
Semiconductor	350	95	510	PR SM350	110	Single-Stage Regulator Y11-244 * 510	A = 0-25 B = 0-50 D = 0-100	E11
	LP5	19	510	PR SMLP5	110			
Individual or Batch Certificate of Analysis available upon request.								
Research	350	95	510	PR R350	110	* Insert Delivery Pressure Range Code	A = 0-25 B = 0-50 D = 0-100	E8
	LP5	19	510	PR RLP5	110			
	LP1	4	510	PR RLP1	110			
Individual or Batch Certificate of Analysis available upon request.								
Instrument	1/2 Ton	400	510	PR IHTN	110	Single-Stage Regulator Y11-215 * 510	A = 0-25 B = 0-50 D = 0-100	E8
	350	95	510	PR I350	110			
	LP5	19	510	PR ILP5	110			
Individual or Batch Certificate of Analysis available upon request.								
Chemically Pure (CP)	1/2 Ton	400	510	PR CPHTN	110	* Insert Delivery Pressure Range Code	A = 0-25 B = 0-50 D = 0-100	E8
	350	95	510	PR CP350	110			
	LP5	19	510	PR CPLP5	110			
Individual or Batch Certificate of Analysis available upon request.								

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	44.0956
Specific Volume	8.77 cf/lb @70° F & 1 ATM
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

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.