

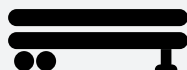
## Ethane (C<sub>2</sub>H<sub>6</sub>)

A flammable, colorless gas.

Purity Specifications	Minimum Purity	O <sub>2</sub>	H <sub>2</sub> O	Total Hydrocarbons	CO/CO <sub>2</sub>	N <sub>2</sub>
Research Plus	99.999%	< 1	< 3	< 6	< 2	< 3
Research	99.99%	< 5	< 5	< 80	< 5	< 10
Instrument	99.5%	< 25	< 10	< 4,000	< 30	< 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 Plus	200	32	350	ET RP200	543	<b>Two-Stage Regulator</b> Y12-215 * 350  <b>Single-Stage Regulator</b> Y11-215 * 350	<b>A = 0-25</b> <b>B = 0-50</b> <b>D = 0-100</b> <b>E = 0-150</b> <b>F = 0-250</b> <b>G = 0-500**</b>	E8		
	80	11	350	ET RP80	543					
Impurities listed are typical. Total impurities guaranteed < 10 ppm. Certificate of Conformance provided upon request.										
Research	200	32	350	ET R200	543					
	80	11	350	ET R80	543					
Impurities listed are typical. Total impurities guaranteed < 100 ppm. Certificate of Conformance provided upon request.										
Instrument	300	34	350	ET I300	543			E7		
	200	32	350	ET I200	543					
	80	11	350	ET I80	543					
	Impurities listed are typical. Total impurities guaranteed < 0.5%. Certificate of Conformance provided upon request.									
Chemically Pure (CP)	300	34	350	CP 300	543					
	200	32	350	CP 200	543					
	80	11	350	CP 80	543					
Impurities listed are typical. Total impurities guaranteed < 1.0%. Certificate of Conformance provided upon request.										



\* Insert Delivery Pressure Range Code  
 \*\* Single Stage Only

Technical Data & Shipping Information	
Molecular Weight	30.07
Specific Volume	12.9 cf/lb @70° F
Flammability Limits in Air	3.0 - 12.5% in Air
U.S. DOT Name	Ethane
ID Number	UN 1035
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	74-84-0