


## Methane (CH<sub>4</sub>)

A flammable, colorless, odorless, flammable compressed gas.

Purity Specifications	Minimum Purity	O <sub>2</sub>	H <sub>2</sub> O	Ethane	Other HC	N <sub>2</sub>
Research	99.999%	< 1	< 2	< 5	< 2	< 5
Ultra High Purity (UHP)	99.99%	< 5	< 5	< 20	< 15	< 70
Chemically Pure (CP)	99.0%					

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents ft <sup>3</sup>	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Research	300	360	350	ME R300	2,400	Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E14 E11
	200	260	350	ME R200	2,000			
Ultra High Purity (UHP)	80	100	350	ME R80	2,000	Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350		E13 E10
	40	50	350	ME R40	2,000			
An individual or batch analysis is available upon request at a nominal charge. Certificate of Conformance provided upon request.								
Chemically Pure (CP)	300	360	350	ME UHP300	2,400	Two-Stage Regulators Y12-215 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250	E8
	200	260	350	ME UHP200	2,000			
	80	100	350	ME UHP80	2,000	Single-Stage Regulator Y11-215 * 350		E7
	40	50	350	ME UHP40	2,000			
An individual or batch analysis is available upon request at a nominal charge. Certificate of Conformance provided upon request.						* Insert Delivery Pressure Range Code ** Single Stage Only		
Certificate of Conformance provided upon request.						* Insert Delivery Pressure Range Code		

Technical Data & Shipping Information	
Molecular Weight	16.04
Specific Volume	24.1 cf/lb @70° F
Flammability Limits in Air	5.0 - 15% in Air
U.S. DOT Name	Methane, Compressed
ID Number	UN 1971
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	74-82-8