



METHANE CH₄

Colorless, odorless, flammable compressed gas.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Methane, compressed
I.D. Number: UN1971
Hazard Class: 2.1
Shipping Labels: Flammable gas

TECHNICAL INFORMATION

Molecular Weight: 28.064
Specific Volume: 23.7 ft³/lb.
CAS Registry: 74-82-8
Safety Data Sheet Reference: Methane

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by Volume (unless otherwise specified) ²
					MAXIMUM TOTAL IMPURITIES ³
Research	5.0	99.999%	RES	SG MERES-	< 10
Ultra Plus	4.0	99.99%	UP	SG MEUP-	< 100
Chemically Pure	2.5	99.5%	CP	SG MECP-	< 0.5%
Commercial ⁴		n/a	COM	SG MECOM-	CH ₄ 98% ⁴
CNG (Odorized) ^{4 5}		n/a	CNG	SG MECNG-	CH ₄ 93% ⁴

Notes:

¹ Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

² Specifications are typical results and are subject to change without notice.

³ Product sold on the basis of total impurities. Individual impurities may vary slightly.

⁴ Commercial and CNG grade products are industrial grade products which there is no guarantee in minimum purity. Percentage of CH₄ is approximate.

⁵ CNG grade methane is the only product that is Odorized. All other grades above CNG grade are Unodorized.

CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume scf ⁶	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
High Pressure Carbon Steel Cylinders					
300	T	360	2400	350	176
200	K	300	2000	350	161
80	Q	100	2000	350	81
35	G	40	2000	350	43
Non-Refillable / Disposable Lecture Bottle					
Lecture Bottle	LB170	2	1800	170	4.5

Notes:

⁶ This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on the cylinder manufacturer's specifications.

Contact your WestAir representative about equipment recommendations for this product.