



Methane (CH₄)

Specifications

	GRADE 4	GRADE 4.5	GRADE 5	GRADE 5.5	GRADE 6
Purity	99.99%	99.995%	99.999%	99.9995%	99.9999%
Nitrogen	< 40 ppmv	< 20 ppmv	< 5 ppmv	< 1 ppmv	< 0.5 ppmv
Oxygen	< 5 ppmv	< 5 ppmv	< 2 ppmv	< 1 ppmv	< 0.5 ppmv
Ethane	< 60 ppmv	< 30 ppmv	< 5 ppmv	< 3 ppmv	< 0.5 ppmv
Other Hydrocarbons	< 10 ppmv	< 5 ppmv	< 2 ppmv	< 1 ppmv	< 0.5 ppmv
Moisture	< 5 ppmv	< 5 ppmv	< 2 ppmv	< 1 ppmv	< 0.5 ppmv
Total Impurities	< 100 ppmv	< 50 ppmv	< 10 ppmv	< 5 ppmv	< 1 ppmv

Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.

Cylinder Sizes

SIZE	FILL WEIGHT (CU. FT)
49L/Size 300	360
44L/Size 200	260
16L/Size 80	94
7L/Size 35	40

Technical Data

Molecular Weight: 16.043 g/mol
 Specific Volume: 23.7 cu.ft./lb
 Flammability Limits: 5.0 - 15% in Air
 Valve Outlet: CGA 350 CGA 170

Shipping Information

DOT Name: Methane, Compressed
 Hazard Class: 2.1
 DOT Number: UN 1971
 DOT Label: Flammable
 CAS Number: 74-82-8