



Tetrafluoromethane (CF₄)

Specifications

	GRADE 3.5	GRADE 4	GRADE 4.5	GRADE 5
Purity	99.95%	99.99%	99.995%	99.999%
Nitrogen	< 400 ppmv	< 60 ppmv	< 30 ppmv	< 5 ppmv
Oxygen	< 100 ppmv	< 20 ppmv	< 5 ppmv	< 1 ppmv
Carbon Monoxide	< 20 ppmv	< 5 ppmv	< 1 ppmv	< 0.5 ppmv
Carbon Dioxide	< 10 ppmv	< 5 ppmv	< 1 ppmv	< 2 ppmv
Moisture	< 10 ppmv	< 5 ppmv	< 5 ppmv	< 1 ppmv
Halocarbon 116				< 1 ppmv
Other Hydrocarbons	< 50 ppmv	< 5 ppmv	< 5 ppmv	
Hydrocarbons			< 1 ppmv	
Acidity		< 0.1 ppmv	< 0.1 ppmv	< 0.1 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 (LB)
440L/Y-Ton	700
49L/Size 300	72
44L/Size 200	70
16L/Size 80	25
7L/Size 35	11

Technical Data

Molecular Weight: 88.01 g/mol
 Specific Volume: 4.39 cu.ft/lb
 Pressure @ 70°F: 23.5 psig
 Valve Outlet: CGA 580 DISS 320

Shipping Information

DOT Name: Tetrafluoromethane
 Hazard Class: 2.2
 DOT Number: UN 1982
 DOT Label: Green, Non-Flammable Gas B
 CAS Number: 75-73-0