



ETHYLENE (C₂H₄): A flammable, colorless gas with a characteristic sweet odor

Purity:	Grade 2.5	Grade 3	Grade 3.5	Grade 4	Grade 4.5	Grade 5	Grade 5.5
Specifications:	99.5%	99.9%	99.95%	99.99%	99.995%	99.999%	99.9995%
Nitrogen	< 100 ppmv	< 100 ppmv	< 50 ppmv	< 5 ppmv	< 5 ppmv	< 2 ppmv	< 1 ppmv
Oxygen	< 25 ppmv	< 20 ppmv	< 10 ppmv	< 2 ppmv	< 2 ppmv	< 2 ppmv	< 1 ppmv
Carbon Dioxide	< 15 ppmv	< 10 ppmv	< 10 ppmv	< 5 ppmv	< 5 ppmv	< 2 ppmv	< 1 ppmv
Carbon Monoxide	< 5 ppmv	< 3 ppmv		< 2 ppmv	< 2 ppmv	< 2 ppmv	< 1 ppmv
Other Hydrocarbons	< 4000 ppmv	< 800 ppmv	< 400 ppmv	< 80 ppmv	< 40 ppmv	< 8 ppmv	< 4 ppmv
Acetylene	< 10 ppmv	< 8 ppmv	< 6 ppmv	< 4 ppmv	< 4 ppmv	< 2 ppmv	< 1 ppmv
Moisture	< 5 ppmv	< 5 ppmv	< 5 ppmv	< 5 ppmv	< 5 ppmv	< 3 ppmv	< 1 ppmv
Total Impurities	< 5000 ppmv	< 1000 ppmv	< 500 ppmv	< 100 ppmv	< 50 ppmv	< 10 ppmv	< 5 ppmv

***Moisture level guaranteed only when Electronic Fluorocarbons prepares the cylinders.*

All concentrations are on a mol/mol basis unless otherwise stated.

This product is analyzed gas phase.

Cylinder Size	Fill Weight (lbs)
49L/Size 300	37
44L/Size 200	30
16L/Size 80	11
7L/Size 35	4

Technical Data:

Mol. Wt: 28.054
Sp. Volume: 13.8 cu. ft/lb
Flammability Limits: 2.7-36% in Air
Valve Outlet: CGA 350
LB CGA 170

Shipping Information:

DOT Name: Ethylene, Compressed
Hazard Class: 2.1
DOT No.: UN 1962
DOT Label: Flammable Gas
CAS No.: 74-85-1

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