



Ethane (C₂H₆)

Specifications

	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 5.5
Purity	99.0%	99.9%	99.99%	99.999%	99.9995%
Nitrogen	< 500 ppmv	< 100 ppmv	< 10 ppmv	< 3 ppmv	< 1 ppmv
Oxygen	< 200 ppmv	< 20 ppmv	< 4 ppmv	< 1 ppmv	< 1 ppmv
Carbon Dioxide/Carbon	< 200 ppmv	< 10 ppmv	< 8 ppmv	< 2 ppmv	< 1 ppmv
Other Hydrocarbons	< 9,000 ppmv	< 800 ppmv	< 80 ppmv	< 6 ppmv	< 3 ppmv
Moisture	< 10 ppmv	< 5 ppmv	< 5 ppmv	< 3 ppmv	< 1 ppmv
Total Impurities	< 1%	< 1,000 ppmv	< 100 ppmv	< 10 ppmv	< 5 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)
49L/Size 300	40
44L/Size 200	32
16L/Size 80	12
7L/Size 35	5

Technical Data

Molecular Weight: 30.07 g/mol
 Specific Volume: 12.8 cu.ft./lb
 Pressure @ 70°F: 543 psig
 Flammability Limits: 3.0 - 12.5% in Air
 Valve Outlet: CGA 350 LB CGA 170

Shipping Information

DOT Name: Ethane, Compressed
 Hazard Class: 2.1
 DOT Number: UN 1035
 DOT Label: Flammable Gas
 CAS Number: 78-84-0