



Propane (C₃H₈)

Specifications

| | GRADE 2 | GRADE 3 | GRADE 3.5 | GRADE 4 | GRADE 4.5 | GRADE 5 |
|--------------------|--------------|--------------|------------|------------|-----------|-----------|
| Purity | 99.0% | 99.9% | 99.95% | 99.99% | 99.995% | 99.999% |
| Nitrogen | < 800 ppmv | < 100 ppmv | < 30 ppmv | < 10 ppmv | < 5 ppmv | < 2 ppmv |
| Oxygen | < 200 ppmv | < 25 ppmv | < 10 ppmv | < 2 ppmv | < 1 ppmv | < 1 ppmv |
| Carbon Dioxide | < 200 ppmv | < 20 ppmv | < 10 ppmv | < 2 ppmv | < 2 ppmv | < 1 ppmv |
| Propylene | < 800 ppmv | < 200 ppmv | < 50 ppmv | < 10 ppmv | < 10 ppmv | < 2 ppmv |
| Other Hydrocarbons | < 9,000 ppmv | < 900 ppmv | < 400 ppmv | < 80 ppmv | < 40 ppmv | < 8 ppmv |
| Moisture | < 10 ppmv | < 5 ppmv | < 5 ppmv | < 3 ppmv | < 3 ppmv | < 2 ppmv |
| Total Impurities | < 1% | < 1,000 ppmv | < 500 ppmv | < 100 ppmv | < 50 ppmv | < 10 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. This product is analyzed liquid phase.

Cylinder Sizes

| SIZE | FILL WEIGHT (LB) |
|--------------|------------------|
| 1/2 Ton | 420 |
| LP30 | 100 |
| LP15 | 50 |
| LP05 | 20 |
| LP01 | 5 |
| 49L/Size 300 | 45 |
| 44L/Size 200 | 40 |
| 16L/Size 80 | 14 |
| 7L/Size 35 | 6 |

Technical Data

Molecular Weight: 44.1 g/mol
 Specific Volume: 8.5 cu.ft./lb
 Pressure @ 70°F: 109 psig
 Flammability Limits: 2.1-9.5% in Air
 Valve Outlet: CGA 510 LB CGA 170

Shipping Information

DOT Name: Propane
 Hazard Class: 2.1
 DOT Number: UN 1978
 DOT Label: Flammable Gas
 CAS Number: 74-98-6