

Carbon dioxide 4.8

PROPERTIES

PHYSICAL & CHEMICAL



Molar mass: 44.01 g/mol
 Boiling point (sublimation): -78.5°C
 Density of the gas phase (1.013 bar and 15°C): 1.874 kg/ma
 Gas density (1.013 bar at the sublimation point): 2.814 kg/ma
 Latent heat of fusion (1.013 bar at triple point): 196.108 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 571.08 kJ/kg
 Critical temperature: 31°C
 Critical pressure: 73.825 bar
 Compressibility factor (Z): 0.9942
 Concentration in air: 0.03% vol.



**OPEN
24/7**



APPLICATIONS :

Active gas in CO₂ lasers
 Component in artificial biological atmospheres
 Solvent for supercritical extraction and chromatography (SFE/SFC)
 -Laboratories and analyses: as mobile phase in supercritical phase chromatography.
 Laboratory research, Organic solvent, Pharmaceutical manufacturing, Instrumentation gas: Mobile phase, Carrier gas

TECHNICAL INFORMATION

| Purity : | Impurities : | | | | |
|-----------------|--------------|----------------|----------------|------------------|----------|
| CO ₂ | CO | O ₂ | N ₂ | H ₂ O | CnHm |
| ≥ 99.998 % | ≤ 1 ppm | ≤ 02 ppm | ≤ 08 ppm | ≤ 3 ppm | ≤ 01 ppm |

Conditioning :

| | |
|------|----------------------|
| GC02 | LC02 |
| B50 | Cryogenic mobil Tank |

