

Carbon dioxide 5.0

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/m³
 Gas density (1.013 bar at the sublimation point): 2.814 kg/m³
 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.

APPLICATIONS :

Aerosol Propellant, Agriculture and Horticulture, Air Conditioning and Refrigeration, Air Quality Monitoring, Analytical chemistry, atomic adsorption spectroscopy (AAS), calibration gas mixtures, Oxidation by combustion, Emission control. Fire Suppression, Flame Photometer, Foam Blowing, Fuel for Power, Heating and Propulsion, Fumigation, Gas Chromatography (GC), Laboratory and Process Control Instrumentation, Lasers, Leak Detection. Metal cutting and welding, Metal refining and mining, Metal mining and refining, Fiber optics, Paints, pH control,

TECHNICAL INFORMATION

Purity :	Impurities :			
CO ₂	O ₂	CO	H ₂ O	N ₂
≥ 99.999 %	≤ 2 ppm	≤ 1ppm	≤ 2 ppm	≤ 5 ppm

Conditioning :

GCO ₂	LCO ₂
B50	Cryogenic mobil Tank



**OPEN
24/7**

