

CO2 N48 / CO₂



Air Liquide's Gas Encyclopedia - Pages: 333 - 368

Applications

Chemical synthesis
R&D

Transport information

Liquified Gases

Proper shipping name	Carbon Dioxide
UN-Nr	1013
ADR/RID	Class 2
	Classification code 2A



Safety Data Sheets

Compressed gas : N° EIGA018A
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	44 g/mol
Relative density:	
Relative density, gas	1.52 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	124-38-9

Properties

Hazards identification: Contains gas under pressure; may explode under the effect of heat. Asphyxiant in high concentrations.

Flammability range: Non-flammable

Personal protection: Ensure adequate ventilation



Cylinder equipment

Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 right-hand, male

Shoulder colour:

Grey (RAL 7037)



Product Specifications

Global purity (% Vol. abs) CO ₂	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,998 %	H ₂ O (5 bar)	≤ 3 ppmv	Cylinder	13L	49.5 bar	10 kg	P0762S13R0A001
	O ₂	≤ 2 ppmv	Cylinder	50L	49.5 bar	35 kg	P0762L50R0A001
	N ₂	≤ 8 ppmv	Cylinder	50L DIP TUBE	49.5 bar	35 kg	P0762L50T0A001
	CnHm	≤ 2 ppmv	Bundle	V12*50L	49.5 bar	360 kg	P0762V12R0A001
	H ₂	≤ 0.5 ppmv					
	CO	≤ 1 ppmv					

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