

ALPHAGAZ™ SFC CARBON DIOXIDE / CO₂



ALPHAGAZ™, the simple solution to enhance your analytical performance

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

Applications

Supercritical Fluid Chromatography

Transport information

Compressed gas cylinders

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



Safety Data Sheets

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

Physical information

Molecular weight	44,01 g/mol
Relative density:	
Relative density, gas	1.52 (air=1)
Relative density, liquid	1.03 (water=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. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

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

Shoulder colour:

Grey (RAL 7037)



Product Specifications

Global purity (% mol) CO ₂	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,998 %	H ₂ O (5 bar) ≤ 5	Cylinder	50L DIP TUBE	49.5 bar	37 kg	P0214L50T0A001
	O ₂ ≤ 2					
	NVOC (oil and greases) ≤ 2 ppm w					
	CnHm ≤ 2					
	H ₂ ≤ 0.5					
	NO/NOx ≤ 2					
	Total sulphur (S) ≤ 1					
	CO ≤ 5					

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