

# ALPHAGAZ™ 1 HELIUM / He



*ALPHAGAZ™, the simple solution to enhance your analytical performance*  
*ALPHAGAZ™ 1, the commitment to quality for % to ppm analysis*

Air Liquide's Gas Encyclopedia - Pages: 989 - 998

## Applications

Carrier gas (GC)  
 Instrumentation gas (LCMS, Elemental analysis...)  
 Purge (TOC, Thermal analysis)  
 Zero gas

## Transport information

### Compressed gas cylinders

Proper shipping name	Helium, compressed
UN-Nr	1046
ADR/RID	Class 2
	Classification code 1A



## Safety Data Sheets

Compressed gas : N° EIGA061A  
 Access: <https://be.airliquide.com/>

## Physical information

Molecular weight	4 g/mol
Relative density:	
Relative density, gas	0.14 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	7440-59-7

## 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



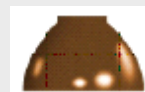
## Cylinder equipment

### Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 right-hand male  
 Bundle: WW 1 1/8 right-hand male

### Shoulder colour:

Brown (RAL 8008)



## Product Specifications

Global purity (% mol) He	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,999 %	H <sub>2</sub> O	≤ 2 ppm	Cylinder	10L SMARTOP	200 bar	2 m <sup>3</sup>	P0251S10S2A001
	O <sub>2</sub>	≤ 2 ppm	Cylinder	50L SMARTOP	200 bar	9,1 m <sup>3</sup>	P0251L50S2A001
	CnHm	≤ 0,5 ppm	Bundle	V12*50L	200 bar	109 m <sup>3</sup>	P0251V12R2A001
	CO	≤ 0,5 ppm					
	CO <sub>2</sub>	≤ 0,5 ppm					

## Additional information

Product recommended for analysis from % to ppm

Shelf life: 60 months

## Disclaimer

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