

ALPHAGAZ™ 1 HYDROGEN / H₂



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: 889 - 914

Applications

Carrier gas (GC)
 Instrumentation gas (Flame, Thermal analysis,...)

Transport information

Compressed gas cylinders

Proper shipping name	Hydrogen, compressed
UN-Nr	1049
ADR/RID	Class 2
	Classification code 1F



Safety Data Sheets

Compressed gas : N° EIGA067A
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	2.016 g/mol
Relative density:	
Relative density, gas	0.07 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	1333-74-0

Properties

Hazards identification: Extremely flammable gas. Contains gas under pressure; may explode

Flammability range: 4 to 77 vol.% in air

Personal protection: Ensure adequate ventilation, do not smoke while handling product. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

Cylinder: B8 - W 21.8 x 1.814 left-hand male
 Bundle: WW 1' ¼ left-hand male

Shoulder colour:

Red (RAL 3000)



Product Specifications

Global purity (% mol) H ₂	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,999 mol %	H ₂ O	≤ 2 ppm	Cylinder	10L SMARTOP	200 bar	2 m ³	P0231S10S2A001
	O ₂	≤ 2 ppm	Cylinder	50L SMARTOP	200 bar	10 m ³	P0231L50S2A001
	CnHm	≤ 0,5 ppm	Bundle	V12*50L	200 bar	120 m ³	P0231V12R2A001
	CO	≤ 0,5 ppm					
	CO ₂	≤ 0,5 ppm					

Additional information

Product recommended for analysis from % to ppm

Shelf life: 60 months

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