

ALPHAGAZ™ 2 HYDROGEN / H₂



ALPHAGAZ™, the simple solution to enhance your analytical performance
ALPHAGAZ™ 2, the commitment to highest quality for ppm to ppb analysis

Air Liquide's Gas Encyclopedia - Pages: 889 - 914

Applications

Carrier gas (GC)

Flame gas

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



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
≥ 99,9999 mol %	H ₂ O (5 bar) ≤ 0.5	Cylinder	10L	200 bar	2 m ³	P0232S10R2A001
	O ₂ ≤ 0.1	Cylinder	50L	200 bar	10 m ³	P0232L50R2A001
	CO ≤ 0.1	Bundle	V12*50L	200 bar	120 m ³	P0232V12R2A001
	CO ₂ ≤ 0.1					
	CnHm ≤ 0.1					

Additional information

Product recommended for analysis from ppm to ppb

Shelf life: 60 months

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