

ALPHAGAZ 1 HYDROGEN

H₂

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



ALPHAGAZ, the simple solution to enhance your analytical performance

ALPHAGAZ 1, the commitment to quality for % to ppm analysis

● Applications

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

● Transport information

Compressed gas

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



● Safety Data Sheet

Access: www.airliquide.no

● Physical information

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

● Properties

Hazards identification: extremely flammable
Flammability range: 4 - 75 vol% in air
Personal protection: ensure adequate ventilation, do not smoke while handling product.

● Cylinder equipment

Valve fittings :
W 21.8 x 1/14", left, external thread, DIN 1
SMARTOP: W 21.8 x 1/14", left, external thread, DIN 1
Shoulder colour: red (RAL 3000)



● Product Specifications

Global purity (% mol)	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure (bar)	Capacity (m ³)	Product reference
H ₂							
≥ 99.999	H ₂ O	≤ 3	Cylinder	S10	200	1.8	P0231S10R2A001
	O ₂	≤ 2	Cylinder	L50	200	9.1	P0231L50R2A001
	C _n H _m	≤ 0.5	Bundle	V12	200	109.1	P0231V12R2A001

Product recommended for analysis from % to ppm
Shelf life: 60 months

DISCLAIMER

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