



ALPHAGAZ, the effortless solution to enhance your analytical performance.

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

ALPHAGAZ 2, the commitment to highest purity for ppm to ppb analysis.

■ General information

● Properties

Main hazards: high pressure and suffocation

Flammable limits in air: non-flammable

Health hazards: non-toxic

TLV (ACGIH): simple asphyxiant

Material compatibility: not corrosive

Senses: colorless, odorless.

● Fitting

AFNOR C - IS 21.7 x 1.814 RH Male

● Transport and danger class

UN 1046

HELIUM, COMPRESSED

ADR Class 2, Number 1 A

Gases, Compressed gas, Suffocating

■ Physical information

Molecular Weight 4.003 g/mol

Gas Density S.T.P. 0.169 kg/m³

Equivalent Gas / Liquid (15°C / 1 bar) 748

Specific gravity (21°C, 1 bar), Air=1 0.14

CAS Number 7440-59-7

■ Applications (see also Appendix One)

Cryogenic fluid (liquid He)

Lasers

Pressurizing agent

Protective atmosphere (welding, heat treatment, semiconductors manufacturing)

Purge & Zero gas

Tracing and leak detection

Carrier gas (GC)



Grade	Maximum impurities (ppm-mol)						Global Purity (%)	Packaging	Pressure (bar)	Capacity (Nm ³)	Shelf Life	Part Number
	H ₂ O	O ₂	CO ₂	CO	H ₂	C _n H _m						
ALPHAGAZ 1	3	2				0.5	99.999	L50	200	9	60 months	1541A
ALPHAGAZ 2	0.5	0.1	0.1	0.1	0.1	0.1	99.9999	L50	200	9	60 months	1191A

