

ALPHAGAZ™ 1 ARGON / Ar



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: 85 - 114

Applications

Carrier gas (GC)
 Instrumentation gas (plasma for ICP, inert for AAS)
 Purge & Zero gas

Transport information

Compressed gas cylinders

Proper shipping name	Argon, compressed
UN-Nr	1006
ADR/RID	Class 2
	Classification code 1A

Refrigerated Gases

Proper shipping name	Argon, refrigerated liquid
UN-Nr	1951
ADR/RID	Class 2
	Classification code 3A



Safety Data Sheets

Compressed gas : N° EIGA003A
 Access: <https://be.airliquide.com/>
 Refrigerated gas : N° EIGA003B
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	39,95 g/mol
Relative density:	
Relative density, gas	1.38 (air=1)
Relative density, liquid	1.4 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7440-37-1

Properties

Hazards identification: Contains gas under pressure; may explode under the effect of heat. Asphyxiant in high concentrations.

Flammability range: Inert; non-flammable

Personal protection: Ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



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:

Dark green (RAL 6001)



Product Specifications

Global purity (% mol) Ar	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,999 %	H ₂ O ≤ 2 ppm	Cylinder	10L SMARTOP	200 bar	2,1 m ³	P0021S10S2A001
	O ₂ ≤ 2 ppm	Cylinder	50L SMARTOP	200 bar	10,5 m ³	P0021L50S2A001
	CnHm ≤ 0,5 mol ppm	Bundle	V12*50L	200 bar	126 m ³	P0021V12R2A001
	CO ₂ ≤ 0.5 ppm	LGC	180L MP	12 bar	131 m ³	P0021R18RMA001
	CO ≤ 0.5 ppm	Liquid				P2160RG

Additional information

Product recommended for analysis from % to ppm

Shelf life: 60 months

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