

# ALPHAGAZ™ 2 NITROGEN / N<sub>2</sub>



*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: 1019 - 1052

## Applications

Carrier gas  
 Instrumentation gas  
 Purge and Zero gas

## Transport information

### Compressed gas cylinders

Proper shipping name	Nitrogen, compressed
UN-Nr	1066
ADR/RID	Class 2
	Classification code 1A



## Safety Data Sheets

Compressed gas : N° EIGA089A  
 Access: <https://be.airliquide.com/>

## Physical information

Molecular weight	28.01 g/mol
Relative density:	
Relative density, gas	0.97 (air=1)
Relative density, liquid	0.8 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7727-37-9

## Properties

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

**Flammability range:** 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:

Black (RAL 9005)



## Product Specifications

Global purity (% mol) N <sub>2</sub>	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,9999 %	H <sub>2</sub> O (5 bar) ≤ 0,5	Cylinder	10L	200 bar	2 m <sup>3</sup>	P0272S10R2A001
	O <sub>2</sub> ≤ 0,1	Cylinder	50L	200 bar	10 m <sup>3</sup>	P0272L50R2A001
	CO ≤ 0,1	Bundle	V12*50L	200 bar	120 m <sup>3</sup>	P0272V12R2A001
	CO <sub>2</sub> ≤ 0,1					
	CnHm ≤ 0,1					
	H <sub>2</sub> ≤ 0,1					

## Additional information

Product recommended for analysis from ppm to ppb

Shelf life: 60 months

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