

# ALPHAGAZ 2 NITROGEN

N<sub>2</sub>

Air Liquide's Gas Encyclopedia - Pages: 1019 - 1052



**ALPHAGAZ**, the simple solution to enhance your analytical performance

**ALPHAGAZ 2**, the commitment to highest quality for ppm to ppb analysis

## ● Applications

Carrier gas  
Instrumentation gas  
Purge and Zero gas

## ● Transport information

### Compressed gas

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



## ● Safety Data Sheet

Access: [www.airliquide.no](http://www.airliquide.no)

## ● Physical information

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

## ● Properties

Hazards identification: in high concentrations may cause asphyxiation  
Flammability range: non flammable  
Personal protection: ensure adequate ventilation

## ● Cylinder equipment

Valve fittings :  
W 24.32 x 1/14", right, external thread, DIN 10  
Shoulder colour: black (RAL 9005)



## ● Product Specifications

Global purity (% mol)	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure (bar)	Capacity (m <sup>3</sup> )	Product reference
N <sub>2</sub>						
≥ 99.9999	H <sub>2</sub> O ≤ 0.5	Cylinder	S10	200	1.9	P0272S10R2A001
	O <sub>2</sub> ≤ 0.1	Cylinder	L50	200	9.7	P0272L50R2A001
	C <sub>n</sub> H <sub>m</sub> ≤ 0.1	Bundle	V12	200	116.5	P0272V12R2A001
	CO ≤ 0.1					
	CO <sub>2</sub> ≤ 0.1					
	H <sub>2</sub> ≤ 0.1					

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

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