

ALPHAGAZ™ 2 AIR / Synth air



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: 61-84

Applications

Flame gas (FID, FPD, THC, CLD...)
Instrumentation gas (TGA, TOC...)
Zero gas (GC-FID, FTIR...)

Transport information

Compressed gas cylinders

Proper shipping name	Air, compressed
UN-Nr	1002
ADR/RID	Class 2
	Classification code 1A



Safety Data Sheets

Compressed gas : N° EIGA000A
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	28.95 g/mol
Relative density:	
Relative density, gas	1 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	N2 : 7727-37-9, O2 : 7782-44-7

Properties

Hazards identification: Contains gas under pressure; may explode if heated.

Flammability range: Non-flammable

Personal protection: None necessary



Cylinder equipment

Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 right-hand male

Shoulder colour:

Bright green (RAL 6018)



Product Specifications

Global purity (% mol)	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
Synth air							
≥ 99,9999 %	H ₂ O	≤ 0,5 ppm-mol	Cylinder	50L	200 bar	10 m ³	P0292L50R2A001
	CnHm	≤ 0,05 ppm-mol					
	CO	≤ 0,1 ppm-mol					
	CO ₂	≤ 0,1 ppm-mol					
	NOx	≤ 0,01 ppm-mol					
	SO ₂	≤ 0,01 ppm-mol					

Additional information

(*) 10 ppb = detection limit Product recommended for environmental analysis

Minimum total purity: N₂ + O₂ ≥ 99.9999%

Shelf life: 60 months

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