

ALPHAGAZ™ 2 OXYGEN / O₂



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: 1079 - 1120

Applications

Flame gas
 Instrumentation gas

Transport information

Compressed gas cylinders

Proper shipping name	Oxygen, compressed
UN-Nr	1072
ADR/RID	Class 2
	Classification code 1 0



Safety Data Sheets

Compressed gas : N° EIGA097A
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	32 g/mol
Relative density:	
Relative density, gas	1.1 (air=1)
Relative density, liquid	1.1 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7782-44-7

Properties

Hazards identification: Oxidizing, can react violently with combustible materials

Flammability range: Non-flammable

Personal protection: Avoid O₂ rich (>21%) atmospheres. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

Cylinder: A1 - IS 22.9 x 1.814 right-hand female
 Bundle: IS 33 * 2.50 right-hand male

Shoulder colour:

White (RAL 9010)



Product Specifications

Global purity (% mol) O ₂	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,9995 %	H ₂ O (5 bar)	≤ 0.5 mol-ppm	Cylinder	10L	200 bar	2,1 m³	P0362S10R2A001
	CO	≤ 0.1 mol-ppm	Cylinder	50L	200 bar	10,6 m³	P0362L50R2A001
	CO ₂	≤ 0.1 mol-ppm	Bundle	V12*50L	200 bar	127 m³	P0362V12R2A001
	CnHm	≤ 0.1 mol-ppm					
	H ₂	≤ 0.1 mol-ppm					

Additional information

Product recommended for analysis from ppm to ppb

Shelf life: 60 months

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