

# ALPHAGAZ™ 1 OXYGEN / O<sub>2</sub>



*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: 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:** May cause or intensify fire; oxidizer.

**Flammability range:** Oxidant

**Personal protection:** Avoid O<sub>2</sub> 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 <sub>2</sub>	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,995 mol %	H <sub>2</sub> O (5 bar)	≤ 2 ppm	Cylinder	10L SMARTOP	200 bar	2,1 m <sup>3</sup>	P0361S10S2A001
	CnHm	≤ 0,5 ppm	Cylinder	50L SMARTOP	200 bar	10,6 m <sup>3</sup>	P0361L50S2A001
	CO	≤ 0.5 ppm	Bundle	V12*50L	200 bar	127 m <sup>3</sup>	P0361V12R2A001
	CO <sub>2</sub>	≤ 0.5 ppm					

## Additional information

Product recommended for analysis from % to ppm

Shelf life: 60 months

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