

# ALIGAL™ 3 / O<sub>2</sub>



*ALIGAL™, the Air Liquide food grade solution*

Air Liquide's Gas Encyclopedia - Pages: 1079 - 1120

## Applications

Food grade gas for preserving quality and shelf life during production, packaging of ingredients (ex. ready meals)

## Transport information

### Compressed gases

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

### Refrigerated Gases

Proper shipping name	Oxygen, refrigerated liquid
UN-Nr	1073
ADR/RID	Class 2
	Classification code 3 O



## Safety Data Sheets

Compressed gas : N° EIGA097A-ALG  
 Access: <https://be.airliquide.com/>  
 Liquefied gas : N° EIGA097B-ALG  
 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. Contains gas under pressure; may explode if heated.

**Flammability range:** Oxidant

**Personal protection:** Avoid O<sub>2</sub> rich (>21%) atmospheres



## 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 (% Vol. abs) O <sub>2</sub>	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,5 %	H <sub>2</sub> O (5 bar) ≤ 50	Cylinder	50L	200 bar	10,6 m <sup>3</sup>	I1010L50R2A001
	CO ≤ 10	Bundle	V12*50L	200 bar	127 m <sup>3</sup>	I1010V12R2A001
	CO <sub>2</sub> ≤ 300	Liquid	-			I1110RG
	CnHm ≤ 100					
	No odor					

## Additional information

Specifications in accordance with Regulation (EU) 231/2012

Product compliant with:

- E948 specifications
- Food safety compliance: Food safety management system FSMS including HACCP methodology, ISO22000 and traceability through batch lot number
- Food gases cannot be considered free of particles. Despite preventive measures taken to limit the contamination level (selection of materials, filtration, purging procedures etc.) a continuous warranty of particles level cannot be ensured. Based on intended use, the end user is responsible to conduct a risk assessment of their complete system (gas distribution piping network included). Where there is a requirement for the particle contamination of the gas to be controlled, appropriate filters can be installed at the point of use.
- Cylinder compliant with : FDA and EC 1935:2004

Minimum shelf life as stated on the batch label: 60 months

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