

PHARGALIS™ 3 / O₂



PHARGALIS™ : Air Liquide's global solution for the pharmaceutical industry

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

Applications

Pharmaceutical gases for

- Oxygen boosting in fermenters and bioreactors

Transport information

Compressed gases

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

Refrigerated Gases

Proper shipping name	Oxygen, refrigerated liquid
UN-Nr	1073
ADR/RID	Class 2
	Classification code 3 0



Safety Data Sheets

Compressed gas : N° EIGA097A-PHA

Access: <https://be.airliquide.com/>

Refrigerated gas : N° EIGA097B-PHA

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: Oxidising, intensive support combustion, can react violently with combustible materials

Flammability range: Oxidant

Personal protection: Avoid O₂ 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)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
O ₂						
≥ 99,5 %	H ₂ O (5 bar) ≤ 67	Cylinder	50L	200 bar	10,6 m ³	I1030L50R2A001
	CO ≤ 5	Bundle	V12*50L	200 bar	127 m ³	I1030V12R2A001
	CO ₂ ≤ 300	Liquid	-			I1127RG

Additional information

This product complies with the with the three major pharmacopoeias for Oxygen (Ph-EU, Ph-EU low oxygen, USP-NF and JP-Ph). The products are traceable and delivered with certificates of analysis and conformity This product is manufactured, controlled and distributed in compliance with Good Manufacturing Practises (GMP) and Good Distribution Practises (GDP) for pharmaceutical Excipients (joint IPEC-PQG) Certified Excipact

Stability: 36 months

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