

ALIGAL™ 13



ALIGAL™, the Air Liquide food grade solution

Applications

Food grade gases for modified atmosphere storage and packaging (food, ingredients, new trends - vegetarian food), winemaking applications and beverages

Transport information

Compressed gas cylinders

Proper shipping name	odorless, foul smell product often added
UN-Nr	1956
ADR/RID	Class 2 Classification code 1A



Safety Data Sheets

Compressed gas : N° 300-15-013ALBNL-ALG
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	Mix
Relative density:	
Relative density, gas	Heavier than air
Colour	Colorless
Odor	Odorless

Properties

Hazards identification: Asphyxiation in high concentrations and numbing

Flammability range: Non-flammable

Personal protection: Ensure adequate ventilation



Cylinder equipment

Valve fittings

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

Bundle: WW 1 1/8 right-hand male

Shoulder colour:

Bright green (RAL 6018)



Product Specifications

Components (% Vol. abs)			Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
CO ₂	30 %	± 3%	H ₂ O (5 bar)	≤ 50	Cylinder	20L	200 bar	4,6 m ³	I4650M20R2A001
N ₂	Balance		O ₂	≤ 20	Cylinder	50L	200 bar	11,4 m ³	I4650L50R2A001
			CO	≤ 10	Bundle	V12*50L	200 bar	136,8 m ³	I4650V12R2A001
			NO/NO ₂	≤ 10					
			CnHm	≤ 30					
			Total sulphur (S)	≤ 0,5 (*)					
			Oil	≤ 5 ppm w/w (*)					

Additional information

Specifications pure gases in accordance with Regulation (EU) 231/2012

Product compliant with:

- E290 specifications (carbon dioxide)
- E941 specifications (nitrogen) Food safety compliance:
- Food safety management system FSMS including HACCP methodology, ISO22000, FSSC 22000 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

Liquid CO₂ product used for cylinders and bundles filling is compliant with ISBT* specifications.

(*) ISBT = International Society of Beverage Technologists

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

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