



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 | Compressed gas |
| UN-Nr | 1956 |
| ADR/RID | Class 2 |
| | Classification code 1A |



Safety Data Sheets

Compressed gas : N° 300-10-005ALBNL-ALG

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

Physical information

| | |
|-----------------------|------------------|
| Relative density: | |
| Relative density, gas | Heavier than air |
| Colour | Colorless |
| Odor | Odorless |

Properties

Hazards identification: Contains gas under pressure; may explode under the effect of heat. Asphyxiant in high concentrations.

Flammability range: Non-flammable

Personal protection: Ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



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 | 20 % | ± 2 % | H ₂ O (5 bar) | ≤ 50 ppm v/v | Cylinder | 20L | 200 bar | 4,3 m ³ | I4630M20R2A001 |
| N ₂ | Balance | | O ₂ | ≤ 20 ppm v/v | Cylinder | 50L | 200 bar | 10,7 m ³ | I4630L50R2A001 |
| | | | CO | ≤ 10 ppm v/v | Bundle | V12*50L | 200 bar | 128,4 m ³ | I4630V12R2A001 |
| | | | NO/NO _x | ≤ 10 ppm v/v (*) | | | | | |
| | | | CnHm | ≤ 30 ppm v/v | | | | | |
| | | | Total sulphur (S) | ≤ 0,5 ppm v/v (*) | | | | | |
| | | | 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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