

Beverage Carbonation



A premium solution for beverage-grade carbon dioxide that has been specially-designed for carbonation applications

- Meets the most stringent ISBT* CO₂ specifications
- Ensures CO₂ product compliance to the highest food safety standards- FSSC** 22000
- Includes the implementation of a Food Safety Management System within Air Liquide's CO₂ supply chain
- Provides proof of compliance documentation for inspections and internal audits

ALIGAL™ Drink

Quality you can rely on...

- Beverage grade gases compliant with the latest ISBT guidelines, E290 European specifications and local regulations
- Traceability and product recall systems are in place
- Easy access to proof of compliance documentation, including Certificates of Conformity with each delivery
- Customized CO₂ storage vessel installations for beverage manufacturers

Reliability when you need it..

- The same quality & consistency anywhere in the world
- Local availability supported by an extensive production and distribution network to ensure continuous supply particularly during unforeseen events
- Different storage vessel sizes to adapt to your changing gas requirements
- Automated re-ordering services to ensure continuous supply

Food safety to protect your beverages...

- Manufactured exclusively in FSSC 22000 certified CO₂ production facilities
- HACCP*** methodology has been implemented at all production facilities and throughout the distribution network, up until the inlet connection of the CO₂ storage installation
- Protects your product's brand name
- Avoids costly product recalls

ALIGAL™ DRINK is your guarantee for consistent quality and purity, worldwide:

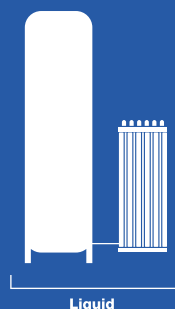
| Products Specifications | | | |
|---|--|---|---------------------------|
| CO ₂ | > 99.9% | Acetaldehyde (C ₂ H ₄ O) | ≤ 0.2 ppm v/v |
| H ₂ O | ≤ 20 ppm v/v | Aromatic Hydrocarbons | ≤ 0.02 ppm v/v |
| O ₂ | ≤ 30 ppm v/v | NH ₃ | ≤ 2.5 ppm v/v |
| CO | ≤ 10 ppm v/v | SO ₂ | ≤ 1 ppm v/v |
| NO/NO ₂ | ≤ 2.5 ppm v/v (each) | Odour of solid CO ₂ (snow) | no foreign odour |
| Total Sulphur (S) | ≤ 0.1 ppm v/v | Appearance of solid CO ₂ (snow) | no foreign appearance |
| Non Volatile Residue | ≤ 10 ppm w/w | Appearance in water | no colour or turbidity |
| Total Volatile Hydrocarbons (as CH ₄) | ≤ 50 ppm v/v incl. 20 ppm v/v max. as total non-methane hydrocarbons | Odour & taste in water | no foreign odour or taste |
| Non Volatile Organic Residue | ≤ 5 ppm w/w | «Acidity» test | test passed |
| Methanol (CH ₃ OH) | ≤ 10 ppm v/v | "Reducing substances + hydrogen phosphide & sulfide" test | test passed |

* International Society of Beverage Technologists

** Food Safety System Certification

*** Hazard Analysis and Critical Control Points

ALIGAL™ DRINK is available in bulk supply mode



www.airliquide.com



The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3 million customers and patients.