

Beverage Processing



Specially-designed solutions to protect oxygen-sensitive beverages throughout every stage of the process

- Preserve the color, flavor and nutritional attributes of your beverage product with an all natural solution while optimizing your formulation costs
- Extend product shelf life and improve quality by minimizing the dissolved oxygen levels which can otherwise contribute to oxidation damage
- Prevent package collapse in PET bottles and metal containers

ALIGAL™

Quality you can depend on...

- Food grade gases compliant with local regulations & HACCP* methodology
- Traceability and product recall systems are in place
- Easy access to proof of compliance documentation

* Hazard Analysis and Critical Control Points

Reliability when you need it...

- The same quality & consistency anywhere in the world
- Different storage vessel sizes to adapt to your changing gas requirements
- Automated re-ordering services to ensure continuous supply

Nitrogen	Carbon Dioxide
• Colorless & odorless • Tasteless • Low solubility in water	• Colorless & odorless • Creates a slightly acidic taste • Very soluble in water

ALIGAL™ can be used throughout the beverage process for deoxygenation, pressure transfer, purging, inerting, container pressurization and bottling applications:

Beverage	ALIGAL™ 1	ALIGAL™ 2
Beer	•	•
Carbonated Beverages	•	•
Fruit Juice & Concentrates	•	
Non-Carbonated Beverages including Still Water	•	

Note: For oxygen enrichment applications in water and beer, use ALIGAL™ 3 / For carbonation, use ALIGAL™ DRINK

Let Air Liquide's food specialists recommend the best ALIGAL™ solution for your process requirements.

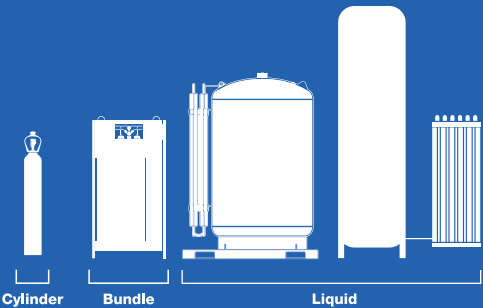
ALIGAL™ purity protects the quality of your beverage products:

Products Specifications	ALIGAL™ 1	ALIGAL™ 2
Gas purity - Gas composition	N ₂ ≥ 99.995%	CO ₂ ≥ 99.9%
H ₂ O (ppm v/v)	≤ 50	≤ 50
O ₂ (ppm v/v)	≤ 20	≤ 30
CO (ppm v/v)	≤ 10	≤ 10
NO/NO ₂ (ppm v/v)	≤ 10	≤ 10
C _n H _m (ppm v/v)	≤ 30	≤ 30
Total Sulfur (ppm v/v)		≤ 0,5 ⁽³⁾
NVOR ⁽¹⁾ (ppm w/w)		≤ 5 ⁽³⁾
Tests ⁽²⁾		tests passed

(1) NVOR = Non Volatile Organic Residue (oil, grease)
(2) "Acidity" test and "Reducing substances + hydrogen phosphide & sulfide" test
(3) Guaranteed in the liquid CO₂ raw product

ALIGAL is Air Liquide's trademark - July 2024 - Photos credits: Cyril ABAD / CAPA Pictures

ALIGAL™ is available with the best choice of supply modes to ensure quality, consistency, reliability and cost competitiveness.



ALIGAL™ is part of our Nexelia for Oxygen Management “all-in-one” solution.

Please contact your local sales representative for more information.



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Air Liquide is a world leader in gases, technologies and services for industry and healthcare. Present in 72 countries with 67,800 employees, the Group serves more than 4 million customers and patients.