

Certificate of Conformance

Effective Date: January 1, 2026 - December 31, 2028

The liquid carbon dioxide produced at our plants meets and/or exceeds the specification limits set by the American Water Works Association (AWWA) B510-06 and B510-18, Quality Verification Level H.

Liquid Carbon Dioxide	
Test Requirement	Specification
Identification	Pass
Carbon Dioxide (Assay)	99.50 % Min
Acetaldehyde	0.50 ppm
Carbon Monoxide	10.0 ppm
Carbonyl Sulfide	0.50 ppm
Hydrogen Sulfide	0.50 ppm
Sulfur Dioxide	5.00 ppm
Total Sulfur	0.50 ppm
Nitric Oxide & Nitrogen Dioxide	5.00 ppm
Oxygen	50.0 ppm
Moisture (Water)	20.0 ppm (-68°F Dewpoint)
Total Hydrocarbon Content (as methane)	50.0 ppm
Non Volatile Residues (wt/wt)	10.0 ppm
Odor/Taste	No foreign odor/taste

Specification limit in ppm (v/v) maximum allowable unless otherwise stated. N/A: Not Applicable.

Approved By:



Mark Jorgensen
Airgas USA, LLC
Sr. Director of Quality & Food/Pharma Compliance