



Carbon Dioxide

A colorless, odorless, nonflammable, slightly acidic gas

TECHNICAL INFORMATION

Chemical Symbol	CO ₂
Molecular Weight	44.04
Specific Volume	8.76 ft ³ /lb (0.55 m ³ /kg)
CAS Registry Number	12-38-9

SHIPPING INFORMATION

DOT Proper Name	Carbon Dioxide
Hazard Class	2.2
ID Number	UN 1013
Labels	Nonflammable Gas

CYLINDER SIZES AVAILABLE

Std. Cylinder Sizes*	Contents	Cylinder Pressure (PSIG)	CGA Valve Connection
200	50 (Content/lb)	838	320
80	20 (Contents/lb)	838	320

* Nonstandard cylinder sizes available upon request

Specifications Subject to Change Call to Confirm

Grade	Purity	Impurity	Specifications	Equipment Recommended
Research Purity 5.0	99.999%	Oxygen Nitrogen Carbon Monoxide Hydrogen Methane Water	<1ppm <1ppm <0.1ppm <1ppm <0.5ppm <2ppm	Research: 3101
Scientific Purity 4.8	99.998%	Argon + Oxygen Water Carbon Monoxide Nitrogen THC (as Methane)	<2ppm <3ppm <1ppm <8ppm <2ppm	Research: 3101
Laser Purity 4.5	99.995%	Moisture Oxygen Total Hydrocarbons	<5ppm, <5ppm, <1ppm	Research: 3101
Instrument Purity 4.0	99.995%	Moisture Oxygen Nitrogen	<10ppm <20ppm <50ppm	Research: 3101
Bone Dry 2.8	99.8%	Moisture	<20ppm	Research: 3101

This information in no way replaces the Safety Data Sheets (SDS) for use and safety standards. Please refer to the SDS for details.

Middlesex Gases
292 Second Street
PO Box 490249, Everett, MA 02149

(800) 649-6704 or (617) 387-5050
www.MiddlesexGases.com
Info@MiddlesexGases.com