

# Carbon Dioxide

A colorless, odorless, nonflammable, slightly acidic gas

## TECHNICAL INFORMATION

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

## SHIPPING INFORMATION

<b>DOT Proper Name</b>	Carbon Dioxide
<b>Hazard Class</b>	2.2
<b>ID Number</b>	UN 1013
<b>Labels</b>	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.

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