



CARBON DIOXIDE

CO₂

Colorless, odorless, nonflammable, slightly acidic, liquefied gas.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Carbon Dioxide
 I.D. Number: UN1013
 Hazard Class: 2.2
 Shipping Labels: Nonflammable Gas

TECHNICAL INFORMATION

Molecular Weight: 44.011 g
 Specific Volume: 8.76 ft³/lb.
 CAS Registry: 124-38-9
 Safety Data Sheet Reference: Carbon Dioxide

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by Volume (unless otherwise specified) ²				
					O ₂	H ₂ O	THC (as CH ₄)	N ₂	O ₂ +Ar+CO
Research	5.0	99.999%	RES	SG CDRES-		3	0.75	5	1
Super Fluid Critical ⁴	4.5	99.995%	SFC	SG CDSFC-	2	5	2	50	
Laser	4.5	99.995%	L	SG CDL-	10	5	5		
Instrument	4.0	99.99%	INS	SG CDINS-	20	10	10		
Anaerobic	3.0	99.9%	ANA	SG CDANA-	10				
Bone Dry	2.8	99.8%	BD	SG CDBD-		10			

Notes:

¹ Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

² Liquid Phase Analysis. Specifications are typical results and are subject to change without notice. Product sold on the basis of total impurities. Individual impurities may vary slightly.

CYLINDER INFORMATION

Cylinder Size ³	Cylinder Size Code	Volume lbs. ⁴	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
High Pressure Carbon Steel Cylinders					
200 ⁵	K	50	830	320	185
80	Q	20	830	320	85
35	G	8	830	320	38
High Pressure Aluminum Cylinders					
150A ⁶	DA	39	830	320	88
Disposable Non-Refillable Cylinders					
Lecture Bottle	LB*	0.5	830	*170	5

Notes:

³ Syphon Tubes are available upon request for liquid withdrawal for select sizes and grades. Add "S" after cylinder size code

⁴ This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on cylinder manufacturer.

⁶ Available with 2000psig Helium Pad upon request only for SFC grade.

Also available in other packaging such as:

- ⁵ 6Packs & 15Packs in select sizes and grades
- See Cryogenic Section for Liquid Carbon Dioxide Dewars
- Microbulk & Bulk trailers

Contact your WestAir representative about equipment recommendations for this product.