Standard Grade Component and Pre-Mixed Gases

- Offered in steel cylinders.
- Certificate of Analysis (COA) can be requested at the time the order is placed.
- The concentration of each minor component of the mixture will be analyzed and confirmed to be within +/- 5% of the requested concentration.
- Produced in all 16 (Sixteen) Praxair Specialty Gases laboratories and production centers, and available from more than 400 locations in the U.S. and Canada.
- Mixtures are prepared using component gases with minimum specifications as listed to the right.

Specifications

	Purity	Trace Oxygen	Moisture	Total Hydrocarbons
Helium	99.997%	< 3 ppm	< 3 ppm	< 1 ppm
Nitrogen	99.999%	< 1 ppm	< 3 ppm	< 0.5 ppm
Carbon Dioxide	99.995%	< 5 ppm	< 5 ppm	< 1 ppm

Component Gases

	Cylinder Style	Content (ft^3/m^3)	Pressure (psig/bar)	Part Number
LaserStar™ 4.7 Helium	T	291/8.1	2640/182	HE 4.7LS-T
	K	218/6.1	2200/152	HE 4.7LS-K
LaserStar™ 5.0 Nitrogen	T	304/8.4	2640/182	NI 5.0LS-T
	K	228/6.3	2200/152	NI 5.0LS-K
LaserStar™ 4.5 CO_2	K	60 lb/27 kg	2200/152	CD 4.5LS-K

Pre-mixed Gases

CO_2	N_2	He	CO	Cylinder Style	Content (ft^3/m^3)	Pressure (psig/bar)	Part Number
5.0%	55.0%	40.0%		T	291/8.1	2640/182	LS NICDHE2-T
3.4%	15.6%	81.0%		T	281/8.0	2640/182	LS HECDNI14-T
1.7%	23.4%	74.9%		T	278/8.0	2640/182	LS HECDNI6-T
4.5%	3.5%	82.0%		T	281/8.0	2640/182	LS HECDNI1-T
8.0%	60.0%	28.0%	4.0%	T	272/7.7	2400/166	LS NIX41-T

CO_2 Laser Marking Mixtures

Mixture	Product Description	Cylinder Style	Content (ft^3/m^3)	Content (psig/bar)	CGA	Part Number
Lumonics *LaserMark® 4*	Carbon Dioxide 8% Carbon Monoxide 4% Nitrogen 16% Balance Helium	T K	216/6.13 193/5.5	2000/138 1660/114	350 350	LS MARK4-T LS MARK4-K
Lumonics *LaserMark®5*	Carbon Dioxide 0.5% Carbon Monoxide 4% Nitrogen 8% Balance Helium	T K	216/6.13 193/5.5	2000/138 1660/114	350 350	LS MARK5-T LS MARK5-T
Laser *Technics*™	Carbon Dioxide 8% Carbon Monoxide 4% Hydrogen 0.4% Nitrogen 8% Balance Helium	T K	216/6.13 193/5.5	2000/138 1660/114	350 350	LS TECH1-T LS TECH1-K
Laser *Electronics*™	Carbon Dioxide 5% Carbon Monoxide 4% Hydrogen 0.4% Nitrogen 12% Balance Helium	T K	216/6.13 193/5.5	2000/138 1660/114	350 350	LS EL1-T LS EL1-K