

Chromatography Solutions

Tailored to your equipment specifications
and your application requirements



Benefits and Features

- Guaranteed gas purity ensures and protects delicate instrument sensitivity.
- Cylinder-to-cylinder, pack-to-pack consistency minimizes downtime and facilitates a worry-free product change.
- Exclusive SCANDINA™ cylinder cap provides added safety in the lab and during cylinder handling.
- Cylinder Residual Pressure Valve (RPV) prevents impurities like moisture from entering your instrument and reduces baseline noise.

Applications

- Research and forensics
- Chemical analysis
- Environmental
- Fuel and energy
- Petrochemical
- Material and bioscience



Chromatography Solutions

Tailored to your application needs

Our chromatography solutions provide the essential amount of product while optimizing the physical space required. Let Air Liquide manage your gas supply so that you can focus on your instruments. ALPHAGAZ™ products are perfect for LC/MS and GC/MS applications.

Finding the Right Product for Your Application

- ALPHAGAZ 1 and ALPHAGAZ 2 pure gases exceed most instrument requirements.
- Each pack is analyzed by batch analysis to meet ALPHAGAZ purity specifications.
- Bulk liquid gas meets our ALPHAGAZ specifications with an optional Certificate of Analysis provided.
- Our exclusive DATAL™ wireless gas monitoring system is available for automatic reorder and supply of gas, for all packaging options shown at right.



Packaging Options

- Single cylinders
- 6-packs
- 16-packs
- XPR MICRO PACKS™
- Liquid cylinders
- Tube trailers
- Bulk vessels

Gas	Purity	Oxygen	Water	THC
LC/MS and GC/MS Requirements*				
Air		20–22%	≤ 6 ppm	≤ 1 ppm
Nitrogen	≥ 99.999%	≤ 2 ppm	≤ 3 ppm	≤ 0.5 ppm
Helium	≥ 99.999%	≤ 2 ppm	≤ 3 ppm	≤ 0.5 ppm
Air Liquide Solution				
ALPHAGAZ 1				
Air		20-22%	< 3 ppm	< 0.1 ppm
Helium, Nitrogen	99.999%	< 2 ppm	< 3 ppm	< 0.5 ppm
ALPHAGAZ 2				
Air		20-21%	< 0.5 ppm	< 0.05 ppm
Helium	99.9998%	< 0.5 ppm	< 0.5 ppm	< 0.1 ppm
Nitrogen	99.9998%	< 0.5 ppm	< 0.5 ppm	< 0.1 ppm

*For most standard chromatography equipment. Consult your manual for exact requirements.



Founded in 1902, Air Liquide is a world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

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