Achieve accurate analysis in the laboratory with ALPHAGAZ pure gases

- Best fit for carrier, purge and zero
- Two levels of purity from % to ppb
- Exclusive SMARTOP™ valve included
- Products in stock for fast delivery

Two grades and two levels of purity to meet all of your analytical application needs.
Two grades, two levels of purity to meet all of your analytical application needs.

**Simpler choices**
- Purity levels that ensure peak instrument performance
- Optimal number of references
- SMARTOP™ lever-activated cylinder valve included
- Color-coded cylinder for easy identification of contents
- Extensive inventory of equipment to protect purity and safely distribute all ALPHAGAZ pures

**Quality you can depend on**
- Guaranteed low level of critical impurities
- Certificate of Conformity included with every cylinder
- Guaranteed traceability with batch number per cylinder
- ACULIFE™ cylinder conditioning ensures long-term stability and purity of contents

**Consistent, reliable service**
- Products in stock for fast, on-time delivery
- Dedicated customer support from quotation to delivery

**Available cryogenic solutions**
ALPHAGAZ pure argon, helium and nitrogen are also available in cryogenic liquid form. They feature the same purity specifications as ALPHAGAZ 1 and are useful when large volumes of gas are needed, such as nitrogen or argon used with ICP and FTIR instruments, or helium for cooling magnets in instruments such as NMR spectrometers.

<table>
<thead>
<tr>
<th>ALPHAGAZ 1</th>
<th>ALPHAGAZ 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Level of Purity</strong></td>
<td>N50 (99.999%)***</td>
</tr>
<tr>
<td><strong>Ar, H2, He, N2, O2</strong></td>
<td>H2O &lt; 3 ppm  O2 &lt; 2 ppm*  CnHm &lt; 0.5 ppm</td>
</tr>
<tr>
<td><strong>Air</strong></td>
<td>H2O &lt; 3 ppm  CO &lt; 1 ppm  CO2 &lt; 1 ppm  CnHm &lt; 0.1 ppm</td>
</tr>
<tr>
<td><strong>CO2, N2O, C2H2</strong></td>
<td>Contact us</td>
</tr>
<tr>
<td><strong>Shelf Life</strong></td>
<td>96 months</td>
</tr>
</tbody>
</table>

* Except for O2  
** Except for H2  
*** N45 for O2 (ALPHAGAZ 1) and N55 for O2 (ALPHAGAZ 2)
Air Liquide offers a range of gas supply modes, as well as an extensive inventory of gas delivery equipment for safe and efficient use of ALPHAGAZ™ products.

Supply modes
ALPHAGAZ 1 and ALPHAGAZ 2 are available in three supply modes to ensure safety, quality and consistency for any application need.

Equipment for specialty gases, industrial gases and cryogenic liquids
We stock an extensive inventory of high-performance distribution and delivery equipment that is engineered to preserve the integrity and purity of ALPHAGAZ products and deliver them safely to the point of use. Most items are available for next-day shipping.
SMARTOP™ with open cap improves safety and efficiency

Standard on all cylinders of ALPHAGAZ™ pure gases, Air Liquide inspects and verifies proper function of SMARTOP at every cylinder refill.

1. Fixed shock-absorbing cap provides added safety during transport and use, and eliminates lost screw-on type caps

2. Positive ON/OFF lever action of valve stops gas flow quickly in an emergency and provides unmistakable visual indication of valve status

3. Attach pressure regulator

4. Internal Residual Pressure Valve (RPV) prevents back flow contamination during use and storage

5. View pressure of cylinder at a glance without use of a regulator

6. Built-in cylinder flow restrictor prevents sudden gas release to help prevent personal injury

7. Ergonomic design makes it easy to handle and maneuver the cylinder

8. Open design minimizes insect nesting

9. Valve lever locks safely in closed position

10. Color-coded cylinders for fast, positive ID of contents (except acetylene, carbon dioxide and nitrous oxide)