Acetylene (C₂H₂)

A colorless, flammable gas, with a garlic-like odor, that is dissolved in acetone.

**Warning:** Do not discharge this gas at pressures exceeding 15 psig.

### Product Specifications

<table>
<thead>
<tr>
<th>Atomic Absorption (AA)</th>
<th>Minimum Purity</th>
<th>Air</th>
<th>Phosphine</th>
<th>Total Sulfurs</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.6%</td>
<td>≤ 0.4%</td>
<td>≤ 25</td>
<td>≤ 25</td>
<td></td>
</tr>
</tbody>
</table>

Concentrations given are ppm by volume unless otherwise specified.

### Ordering Information

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Cylinder Size</th>
<th>Contents ft³</th>
<th>Standard Valve Outlet (CGA)</th>
<th>Product Number</th>
<th>Cylinder Pressure at 70°F (psig)</th>
<th>Description Product Number</th>
<th>Delivery Pressure Range (psig)</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atomic Absorption (AA)</td>
<td>5</td>
<td>323</td>
<td>510</td>
<td>AC AA4</td>
<td>250</td>
<td>Single-Stage Regulator</td>
<td>0-15</td>
<td>E55</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>132</td>
<td>510</td>
<td>AC AA5</td>
<td>250</td>
<td>Y11-120A510</td>
<td></td>
<td>E154</td>
</tr>
</tbody>
</table>

Individual or Batch Certificate of Analysis available upon request.

### Technical Data & Shipping Information

- **Molecular Weight:** 26.0373
- **Specific Volume:** 14.24 cf/lb @70°F & 1 ATM
- **Flammability Limits in Air:** 2.5 - 100% in Air
- **U.S. DOT Name:** Acetylene, Dissolved
- **ID Number:** UN 1001
- **U.S. DOT Hazard Class:** 2.1
- **U.S. DOT Label:** Flammable Gas
- **CAS Registry:** 74-86-2

Airgas offers unique acetylene automatic changeover systems, regulators and filters that allow Atomic Absorption detector users to get continuous acetylene supply while protecting the analyzer from acetone.

### Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.