

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.

Purity Specifications	Minimum Purity	Air	Phosphine	Total Sulfurs
Atomic Absorption (AA)	99.6%	<0.4%	< 15	< 10

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents ft ³	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Atomic Absorption (AA)	5	330	510	AC AA5	250	Single-Stage Regulator Y11-GC120A510	0-15	E48
	4	140	510	AC AA4	250			
Certificate of Conformance provided upon request.								

Technical Data & Shipping Information	
Molecular Weight	26.04
Specific Volume	14.85 cf/lb @70° F
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 AA from acetone.

