



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name:Acetylene

Product Number:ACE-20260305

Batch Number:ACE-SH2026030501

Brand:TECHPURE

CAS Number:74-86-2

MDL Number:MFCD00008527

Formula:C₂H₂

Formula Weight:26.04 g/mol

Quality Release Date:05 MAR 2026

Physical State:Compressed gas (dissolved in acetone)

Storage Pressure (20°C):1.5 MPa

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Purity (GC)	≥ 98.5%	98.8%	%	Gas Chromatography (GC)
Impurity (Ethylene)	≤ 0.5%	0.3%	%	Gas Chromatography (GC)
Impurity (Methane)	≤ 0.3%	0.2%	%	Gas Chromatography (GC)
Water Content	≤ 20 ppm	8 ppm	ppm	Coulometric Karl Fischer Titration
Oxygen Content	≤ 0.05%	0.02%	%	Paramagnetic Oxygen Analyzer
Phosphine Content	≤ 0.01%	0.003%	%	Gas Chromatography (GC)

Certification

This batch of product has been tested in accordance with industrial standards for acetylene and meets all specified requirements. It is qualified for industrial and laboratory use.

Issue Date: 05 MAR 2026