



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Calcium Carbide
Product Number CAC-20260209
Batch Number CAC-SH2026020901
Brand SIGALD
CAS Number 75-20-7
MDL Number MFCD00010907
Formula CaC_2
Formula Weight 64.10 g/mol

Quality Release Date 09 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Gray to black	Gray	-	Visual Inspection
Appearance (Form)	Lump or granular	Lump	-	Visual Inspection
Purity (CaC_2)	$\geq 80.0\%$	82.5%	%	Gasometric Method (Acetylene Generation)
Calcium Oxide (CaO)	$\leq 10.0\%$	8.2%	%	Titration Method
Moisture Content	$\leq 0.5\%$	0.3%	%	Gravimetric Method
Sulfur (S)	$\leq 0.1\%$	0.06%	%	Combustion-Iodometric Titration
Phosphorus (P)	$\leq 0.05\%$	0.03%	%	Spectrophotometry
Heavy Metals (Pb)	$\leq 0.001\%$	0.0005%	%	Atomic Absorption Spectrometry (AAS)
Insoluble Matter in Water	$\leq 2.0\%$	1.5%	%	Gravimetric Method

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

Issue Date: 09 FEB 2026