



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: 05 FEB 2026 Quality Release Date: 05 FEB 2026

Product Information

Product Name Ascorbic Acid
Product Number AAC-20260205
Batch Number AAC-SH2026020501
Brand SIGALD
CAS Number 50-81-7
MDL Number MFCD00064237
Formula $C_6H_8O_6$
Formula Weight 176.12 g/mol

Test Results

Test	Specification (Industry Standard/USP)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Purity)	$\geq 99.0\%$	99.6%	%	Titration Method (Iodometric)
Melting Point	190-192°C (decomp.)	191.3°C	°C	Melting Point Apparatus
Loss on Drying	$\leq 0.5\%$	0.21%	%	105°C Oven Drying Method
Residue on Ignition	$\leq 0.1\%$	0.04%	%	Ignition at 600±50°C
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 10 CFU/g	3 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Solubility in Water (25°C)	Freely soluble	Conforms	-	Volumetric Method
pH (5% aqueous solution, 25°C)	2.0-2.5	2.2	-	Digital pH Meter
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

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