



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name:** Calcium Ascorbate

### Product Information

Product Number: CAA-20260220

Batch Number: CAA-N2026022001

Brand: SIGALD

CAS Number: 5743-28-2

Molecular Formula:  $C_{12}H_{14}CaO_{12} \cdot 2H_2O$

Molecular Weight: 426.35 g/mol

Quality Release Date: 20 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	White to pale yellow crystalline powder	White crystalline powder	-	Visual Inspection
Assay (Iodometric Titration)	$\geq 98.0\%$	99.5%	%	Iodometric Titration
Calcium Content	9.0-10.5%	9.9%	%	Complexometric Titration
Loss on Drying	$\leq 10.0\%$	8.1%	%	105°C Constant Weight Method
Residue on Ignition	18.0-20.0%	19.2%	%	Gravimetric Method (800±25°C)
Heavy Metals (Pb)	$\leq 5$ ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry
Heavy Metals (As)	$\leq 1$ ppm	0.08 ppm	ppm	Atomic Fluorescence Spectrometry
Iron (Fe)	$\leq 10$ ppm	2.1 ppm	ppm	Colorimetric Method
pH Value (5% Aqueous Solution)	6.0-7.5	6.7	-	Digital pH Meter
Solubility Test	Soluble in water, slightly soluble in ethanol	Complies	-	Solubility Test Method
Reducing Substances	Complies with standard	Complies	-	Chemical Titration Method

**Certification** This batch of Calcium Ascorbate has been tested in accordance with the relevant international industrial and food pharmaceutical standards. All test results meet the specified requirements, and the product is qualified for use.

**Authorized Signatory:** QA Manager

**Issue Date:** 20 FEB 2026