



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
 Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis (COA)

Calcium Citrate (Food Grade, Powder)

Product Information

Product Number	CC-20260228
Batch Number	CC-SH2026022801
Brand	SIGALD
CAS Number	5785-44-4
MDL Number	MFCD00010003
Formula	C ₁₂ H ₁₀ Ca ₃ O ₁₄
Formula Weight	498.43 g/mol
Quality Release Date	28 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Free-flowing powder, no caking	Free-flowing powder	-	Visual Inspection
Assay (C ₁₂ H ₁₀ Ca ₃ O ₁₄)	≥ 98.0%	98.9%	%	Complexometric Titration
Calcium (Ca) Content	20.5-21.5%	21.2%	%	Atomic Absorption Spectrometry (AAS)
pH Value (25°C, 1% suspension)	6.0-7.5	6.8	-	Digital pH Meter
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Fluoride (F)	≤ 10 ppm	3 ppm	ppm	Ion Selective Electrode Method
Loss on Drying (105°C, 2h)	≤ 0.5%	0.2%	%	105°C Constant Weight Method
Residue on Ignition	30.0-32.0%	31.5%	%	800°C Ignition Gravimetry
Insoluble Matter in Water	≤ 0.1%	0.02%	%	Gravimetric Method
Total Bacterial Count	≤ 100 CFU/g	10 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with industrial standards for food-grade Calcium Citrate and meets all specified requirements. It is qualified for use as a food additive (nutritional fortifier, anticaking agent, texture modifier).

Issue Date: 28 FEB 2026