



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Calcium Formate (Feed Grade)

Product Information

Item	Details
Product Number	CF-FEED-20260215
Batch Number	CF-F2026021501
Brand	SIGALD
CAS Number	544-17-2
MDL Number	MFCD00013000
Formula	C ₂ H ₂ CaO ₄
Formula Weight	130.10 g/mol
Quality Release Date	15 FEB 2026

Test Results (Compliant with Feed Additive Standards)

Test	Specification (Feed Grade)	Result	Unit	Test Method
Appearance	White crystalline powder, free-flowing, odorless	White crystalline powder	-	Visual & Olfactory Inspection
Assay (Calcium Formate)	≥98.0%	98.9%	%	Titrimetric Method
Calcium Content (as Ca)	30.0-31.5%	30.8%	%	Atomic Absorption Spectrometry (AAS)
Moisture Content	≤0.5%	0.2%	%	Karl Fischer Titration
pH Value (5% aqueous, 25°C)	6.5-8.0	7.2	-	Digital pH Meter
Residue on Ignition	≤0.1%	0.04%	%	Gravimetric Method (600±50°C)
Heavy Metals (as Pb)	≤5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤1 ppm	0.05 ppm	ppm	AAS
Mercury (Hg)	≤0.1 ppm	<0.01 ppm	ppm	Cold Vapor Atomic Absorption
Chloride (as Cl ⁻)	≤0.05%	0.02%	%	Volumetric Method (AgNO ₃)
Sulfate (as SO ₄ ²⁻)	≤0.05%	0.01%	%	Turbidimetric Method
Total Bacterial Count	≤100 CFU/g	15 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative in 25g	Negative	-	GB 13078.1

Certification

This batch of **Feed Grade Calcium Formate** has been tested in accordance with **GB 13078.1-2017 (Feed Hygiene Standard)** and national industrial standards for feed grade calcium formate. It meets all specified requirements for feed additive use and is qualified for release.

Date: 15 FEB 2026