



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name: Dicalcium Phosphate (Feed Grade, DCP)**

### Product Information

Item	Details
Product Number	DCP-FEED-20260228
Batch Number	DCP-F2026022801
Brand	SIGALD
CAS Number	7757-93-9
MDL Number	MFCD00010900
Formula	CaHPO <sub>4</sub> ·2H <sub>2</sub> O
Formula Weight	172.09 g/mol
Quality Release Date	28 FEB 2026

### Test Results (Compliant with Feed Additive Standards)

Test	Specification (Feed Grade)	Result	Unit	Test Method
Appearance	White crystalline powder, odorless	White crystalline powder	-	Visual Inspection
Assay (Total Ca)	23.0% - 25.0%	24.1%	%	Complexometric Titration
Assay (Total P)	16.0% - 18.0%	17.2%	%	UV-Vis Spectrophotometry
Citrate Soluble P	≥12.0%	13.5%	%	Gravimetric Method (Citrate Solution)
pH Value (1% Suspension, 25°C)	7.0 - 8.0	7.5	-	Digital pH Meter
Loss on Drying	22.0% - 26.0%	24.3%	%	105°C, 4 Hours
Fluoride (F <sup>-</sup> )	≤180 ppm	78 ppm	ppm	Ion Selective Electrode
Heavy Metals (as Pb)	≤5 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤2 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤1 ppm	0.1 ppm	ppm	AAS
Mercury (Hg)	≤0.1 ppm	<0.01 ppm	ppm	Cold Vapor Atomic Absorption
Total Bacterial Count	≤100 CFU/g	18 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 Dicalcium Phosphate (DCP)** has been tested in accordance with **GB 13078.1-2017 (Feed Hygiene Standard)** and **GB/T 22548-2017 (Feed Additive Dicalcium Phosphate)**. It meets all specified requirements for feed additive use and is qualified for release.

**Date:** 28 FEB 2026