



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name: Monocalcium Phosphate (Feed Grade, MCP)**

### Product Information

Item	Details
Product Number	MCP-FEED-20260218
Batch Number	MCP-F2026021801
Brand	SIGALD
CAS Number	7758-23-8
MDL Number	MFCD00011300
Formula	Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O
Formula Weight	252.07 g/mol
Quality Release Date	18 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 (Ca)	16.5% - 18.0%	17.2%	%	Complexometric Titration
Assay (P <sub>2</sub> O <sub>5</sub> )	44.0% - 46.0%	45.1%	%	Gravimetric Method
Total Phosphorus (P)	19.0% - 19.9%	19.5%	%	UV-Vis Spectrophotometry
Water Soluble Phosphorus	≥39.0%	40.2%	%	Gravimetric Method
pH Value (1% Aqueous, 25°C)	3.0 - 4.0	3.5	-	Digital pH Meter
Loss on Drying	8.0% - 10.0%	9.1%	%	105°C, 2 Hours
Fluoride (F <sup>-</sup> )	≤180 ppm	85 ppm	ppm	Ion Selective Electrode
Heavy Metals (as Pb)	≤5 ppm	1.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤2 ppm	0.3 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	22 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 Monocalcium Phosphate** has been tested in accordance with **GB 13078.1-2017 (Feed Hygiene Standard)** and **GB/T 22549-2017 (Feed Additive Monocalcium Phosphate)**. It meets all specified requirements for feed additive use and is qualified for release.

**Date:** 18 FEB 2026