



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: February 29, 2026 Quality Release Date: February 29, 2026

Product Information

Product Name	Mono Dicalcium Phosphate (Feed Grade)
Product Number	MDCP-F20260229
Batch Number	MDCP-SH2026022901
Brand	SIGALD
CAS Number	7758-23-8
EINECS Number	231-837-1
Formula	$\text{CaHPO}_4 \cdot \text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$ (or $\text{CaHPO}_4 \cdot \text{H}_2\text{O}$)
Formula Weight	~252.07 g/mol (Anhydrous basis)

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	White crystalline powder	Conforms	-	Visual Inspection
Total Phosphorus (P)	21.0% - 23.0%	22.1%	%	Gravimetric Method
Calcium (Ca)	15.0% - 18.0%	16.8%	%	EDTA Titration
P ₂ O ₅ Content	48.0% - 52.0%	49.8%	%	Calculated
Fluoride (F)	≤ 180 ppm	95 ppm	ppm	Ion-Selective Electrode
Arsenic (As)	≤ 2 ppm	< 0.5 ppm	ppm	AFS
Heavy Metals (Pb)	≤ 10 ppm	2.2 ppm	ppm	AAS
pH Value (1:20 w/v)	3.0 - 4.5	3.8	-	Digital pH Meter
Loss on Drying	≤ 5.0%	2.1%	%	105°C, 2h
Fineness (Through 0.5mm sieve)	≥ 95%	98.5%	%	Sieve Analysis
Total Bacterial Count	≤ 10 ⁴ CFU/g	280 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	ISO 16649-2
Salmonella	Negative	Negative	-	ISO 6579-1

Certification

This batch of Mono Dicalcium Phosphate has been tested in accordance with the specifications for feed grade phosphate. It meets all quality requirements and is approved for release.