



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

Product Name: **Tricalcium Phosphate (Food Grade, Powder)**

Product Information

Product Number	TCP-20260220
Batch Number	TCP-SH2026022001
Brand	SIGALD
CAS Number	12167-74-7
MDL Number	MFCD00010907
Formula	$\text{Ca}_3(\text{PO}_4)_2$
Formula Weight	310.18 g/mol
Quality Release Date	20 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 ( $\text{Ca}_3(\text{PO}_4)_2$ )	$\geq 98.0\%$	98.7%	%	Complexometric Titration
Calcium (Ca) Content	34.0-38.0%	36.2%	%	Atomic Absorption Spectrometry (AAS)
Phosphorus (P) Content	18.0-21.0%	19.8%	%	Mo-Sb Colorimetric Method
pH Value (25°C, 5% suspension)	7.0-8.5	7.8	-	Digital pH Meter
Heavy Metals (Pb)	$\leq 0.5$ ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	$\leq 0.1$ ppm	< 0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Fluoride (F)	$\leq 50$ ppm	12 ppm	ppm	Ion Selective Electrode Method
Loss on Drying (105°C)	$\leq 2.0\%$	0.8%	%	105°C Constant Weight Method
Residue on Ignition	95.0-100.5%	98.2%	%	800°C Ignition Gravimetry
Total Bacterial Count	$\leq 100$ CFU/g	15 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 Tricalcium Phosphate and meets all specified requirements. It is qualified for use as a food additive (anti-caking agent, nutritional fortifier, texture modifier).

Issue Date: 20 FEB 2026