



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name:**SHMP (Sodium Hexametaphosphate) (Food Grade, Powder)**

Product Information

Product Number	SHMP-20260225
Batch Number	SHMP-SH2026022501
Brand	SIGALD
CAS Number	10124-56-8
MDL Number	MFCD00011138
Formula	(NaPO ₃) ₆
Formula Weight	611.77 g/mol
Quality Release Date	25 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Free-flowing powder, no caking	Free-flowing powder	-	Visual Inspection
Assay (SHMP, as (NaPO ₃) ₆)	≥ 68.0%	68.9%	%	Titration Method
Non-phosphate (as Na ₂ O)	28.0-30.0%	29.2%	%	Gravimetric Method
pH Value (25°C, 1% solution)	5.8-7.3	6.5	-	Digital pH Meter
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Fluoride (F)	≤ 50 ppm	10 ppm	ppm	Ion Selective Electrode Method
Insoluble Matter in Water	≤ 0.1%	0.03%	%	Gravimetric Method
Loss on Ignition (105°C, 2h)	≤ 0.5%	0.18%	%	105°C Constant Weight Method
Total Bacterial Count	≤ 100 CFU/g	12 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 Sodium Hexametaphosphate (SHMP) and meets all specified requirements. It is qualified for use as a food additive (sequestrant, emulsifier, water retention agent, anti-caking agent).

Issue Date: 25 FEB 2026