



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 28 FEB 2026 Issue Date: 28 FEB 2026

Product Information

Product Name Thymosin
Product Number TM-20260228
Batch Number TM-SH2026022801
Brand SIGALD
CAS Number N/A (Natural polypeptide mixture)
MDL Number N/A
Formula Blend of Natural Thymic Polypeptides (Thymosin α 1, β 4, etc.)
Formula Weight Variable (3000-10000 Da)
Molecular Form Biological active polypeptide mixture

Test Results

Test	Specification (Industry/Pharmacopoeial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	Off-white	-	Visual Inspection
Appearance (Form)	Lyophilized powder	Lyophilized powder	-	Visual Inspection
Total Polypeptide Content	$\geq 85.0\%$	89.2%	%	Lowry Method
Thymosin α 1 Purity	$\geq 20.0\%$	23.5%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 3.0\%$	1.2%	%	Gravimetric Method (60°C, 4h, vacuum)
Residue on Ignition	$\leq 0.5\%$	0.1%	%	Ignition at 600°C \pm 50°C
Heavy Metals (Pb)	≤ 5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
pH Value (1mg/mL aqueous, 25°C)	6.0-8.0	6.8	-	Digital pH Meter
Water Content (Karl Fischer)	$\leq 3.0\%$	1.0%	%	Karl Fischer Titration
Bacterial Endotoxins	≤ 0.5 EU/ μ g	0.1 EU/ μ g	EU/ μ g	Limulus Amebocyte Lysate (LAL) Test
Total Aerobic Count	≤ 50 CFU/g	12 CFU/g	CFU/g	Plate Count Method
E. coli/Staphylococcus aureus	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with Chinese industrial and pharmacopoeial standards for Thymosin and meets all specified requirements. It is qualified for pharmaceutical and research use.