



Certificate of Analysis

ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111
(619) 329-3999 | ils-lab.com

Thymosin Alpha 1 - 10mg

Tested for: NextGen Peptides

PASS

COA #: COA-2026-RKBXSH
Lot Number: TA1-04
Accession #: ACC-2026-1801
Concentration: 10mg
Sample Matrix: Lyophilized

Method: Full QC Panel
Analysis Date: 05/06/2026
Appearance: Good
Volume: 3mL
Received: 05/01/2026



Scan to verify
authenticity at ils-lab.com

Identity

Thymosin Alpha 1

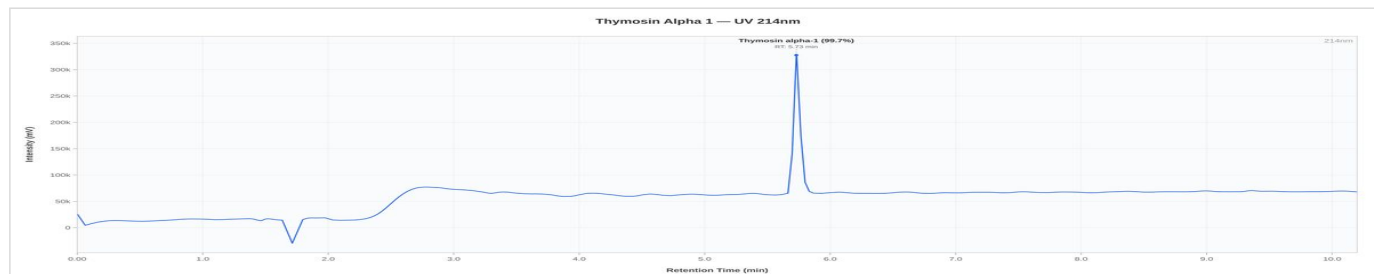
Purity

99.68%

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	$\geq 95.0\%$	99.68%	%	PASS
Net Peptide Content	Report Only	10.62	mg	N/A
Identity (ID)	Thymosin alpha-1	Confirmed	-	PASS

HPLC Chromatogram



Representative chromatogram, Conformity V3 (99.64% purity, closest to batch mean of 99.65%)

HPLC Conformity Testing Results (4 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.67%	10.25 mg	Confirmed	PASS
Conformity V1	99.62%	10.48 mg	Confirmed	PASS
Conformity V2	99.68%	10.62 mg	Confirmed	PASS
Conformity V3	99.64%	10.27 mg	Confirmed	PASS
Mean	99.65%	10.41 mg	—	—
Std Dev	0.0238%	0.1534 mg	—	—



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
5/6/2026

COA #: COA-2026-RKBXSH
Access Code: WT0PRSSR
Verify: portal.ils-lab.com/verify/VODw55sMr3p5mclQ
Issued: 5/6/2026

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Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	Not Detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 ppm	Not Detected	PASS

Sterility Testing (PCR)

Test	Specification	Result	Unit	Status
Sterility (PCR)	No Growth	No Growth	-	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Unit	Status
Endotoxin (USP <85>)	< 0.25 EU/mL	0.187 EU/mL		PASS

Notes & Methodology

- Date Tested: 05/06/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be Thymosin Alpha 1 by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or route-of-administration standard.
- Chromatogram shown is representative: Conformity V3 (99.64% purity, closest to batch mean of 99.65%).



Dr. Greg Kalyuzhny
Lab Director
5/6/2026

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Access Code: WT0PRSSR
Verify: <portal.ils-lab.com/verify/VODw55sMr3p5mclQ>
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