

## ILS Laboratories

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

## Thymosin Alpha 1 - 10mg

PASS



Tested for: NextGen Peptides  
www.NGpeptide.com

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

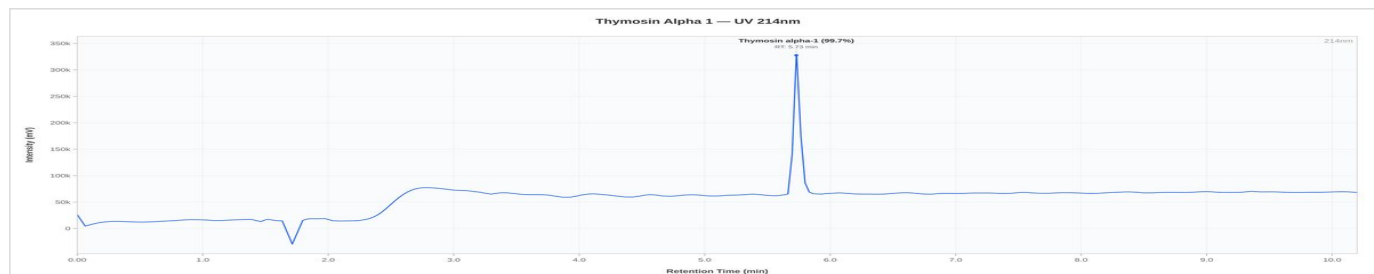
Purity

99.68%

### Purity & Quant (HPLC)

| Analyte             | Specification    | Result    | Unit | Status |
|---------------------|------------------|-----------|------|--------|
| Purity (HPLC)       | >= 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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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**



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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](http://portal.ils-lab.com/verify/VODw55sMr3p5mclQ)  
Issued: 5/6/2026