

ILS Laboratories

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

TB-500 - 20mg

PASS



Tested for: NextGen Peptides
www.NGpeptide.com

COA #: COA-2026-PIYJ_X
Lot Number: TB20-5
Accession #: ACC-2026-2111
Concentration: 20mg
Sample Matrix: Lyophilized

Method: Full QC Panel
Analysis Date: 05/10/2026
Appearance: Good
Volume: 3mL
Received: 05/07/2026



Scan to verify
authenticity at ils-lab.com

Identity

TB-500

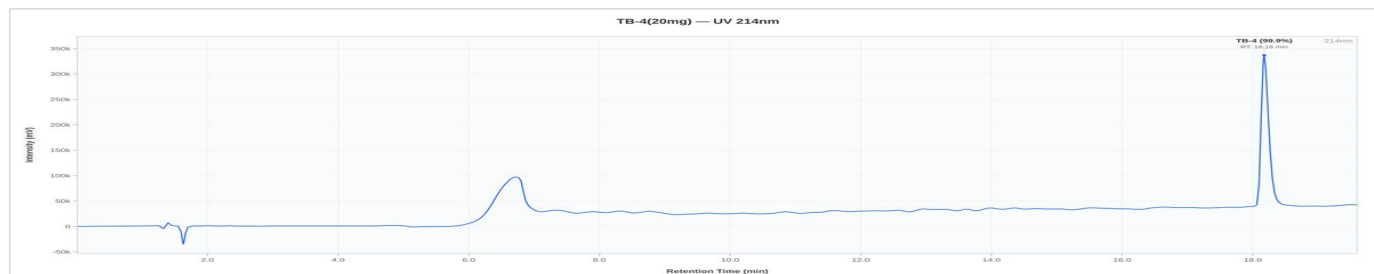
Purity

99.87%

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.87%	%	PASS
Net Peptide Content	Report Only	21.43	mg	N/A
Identity (ID)	THYMOSIN BETA 4	Confirmed	-	PASS

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.77% purity, closest to batch mean of 99.82%)

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.77%	20.55 mg	Confirmed	PASS
Conformity V1	99.87%	21.43 mg	Confirmed	PASS
Mean	99.82%	20.99 mg	—	—
Std Dev	0.0500%	0.4400 mg	—	—



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
5/10/2026

COA #: COA-2026-PIYJ_X
Access Code: PPT2FTLP
Verify: <portal.ils-lab.com/verify/I3OnyxF0WZJ2z7U>
Issued: 5/10/2026

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Sample Matrix: **Lyophilized**

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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	NMT 0.05 EU/mL		PASS

Notes & Methodology

- Date Tested: 05/10/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be TB-500 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: Dedicated V0 (99.77% purity, closest to batch mean of 99.82%).



Dr. Greg Kalyuzhny
Lab Director
5/10/2026

COA #: **COA-2026-PIYJ_X**
Access Code: **PPT2FTLP**
Verify: portal.ils-lab.com/verify/I3OnyxkF0WZJ2z7U
Issued: 5/10/2026