

ILS Laboratories

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

TB-500 - 5mg

Tested for: Premierbiolabs LLC

PASS

COA #: COA-2026-CFBXGM
Lot Number: TB123-02
Accession #: ACC-2026-4778
Labeled Content: 5mg

Method: Full QC Panel
Analysis Date: 06/12/2026
Appearance: Good
Sample Matrix: Lyophilized
Date Received: 2026-06-11



Scan to verify
authenticity at ils-lab.com
Access Code: P2TVKA3G

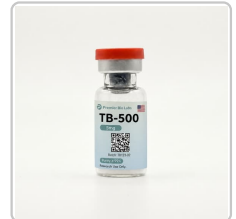
Identity
TB-500

Peptide Purity
99.68%



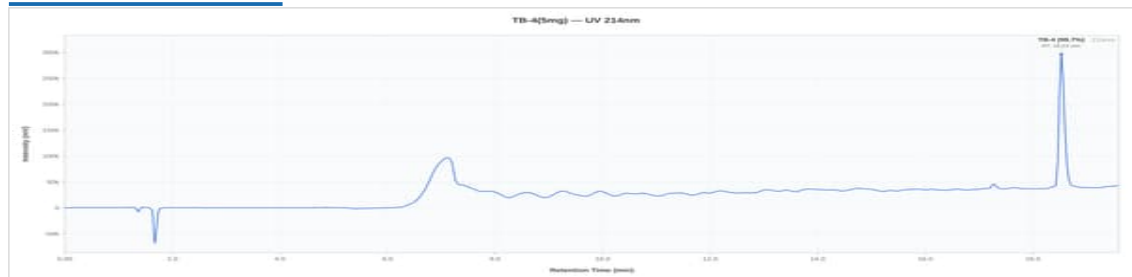
Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.68%	%	PASS
Net Peptide Content	Report Only	5.18	mg	N/A
Identity (HPLC-RTM)	TB-4	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



TB-500 5mg - TB123-02

HPLC Chromatogram



TB-500 5mg - TB123-02: UV Chromatogram

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	Status
Sterility (PCR)	No Growth	No Growth	PASS



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
6/12/2026

COA #: COA-2026-CFBXGM
Access Code: P2TVKA3G
Verify: portal.ils-lab.com/verify/N7xNmWFg5_NEwK_U
Issued: 6/12/2026

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	NMT 0.05 EU/mL	Reported
About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.			

Notes & Methodology

1. Date Tested: 06/12/2026. Methods: Full QC Panel.
2. The sample was confirmed to be TB-500 by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. 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 product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.




Dr. Greg Kalyuzhny
Lab Director
6/12/2026

COA #: **COA-2026-CFBXGM**
Access Code: **P2TVKA3G**
Verify: portal.ils-lab.com/verify/N7xNmWFg5_NEWK_U
Issued: 6/12/2026