

ILS Laboratories

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

TB-500 - 10mg

Tested for: QUALITY PEPTIDE USA

PASS

COA #: COA-2026-954747
Lot Number: QPUSATB500-0021
Accession #: ACC-2026-11962
Labeled Content: 10mg

Analysis Date: 07/31/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 3mL
Date Received: 07/22/2026



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

Method: Full QC Panel

Identity

TB-500

Peptide Purity

99.15%



Fentanyl
Free

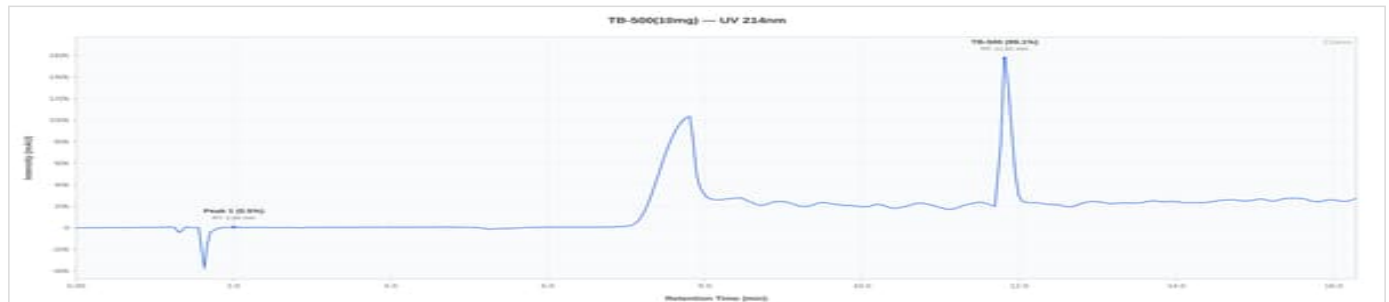
Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.15%	%	PASS
Net Peptide Content	Report Only	10.64	mg	N/A
Identity (HPLC-RTM)	TB-500	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



TB-500 10mg - QPUSATB500-0021

HPLC Chromatogram



TB-500 10mg - QPUSATB500-0021: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0.1754	PASS
Cadmium (Cd)	NMT 0.5 ppm	0.1029	PASS
Lead (Pb)	NMT 1 ppm	0.313	PASS
Mercury (Hg)	NMT 1.5 ppm	0.327	PASS
Chromium (Cr)	NMT 10 ppm	0.664	PASS



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Verify: <portal.ils-lab.com/verify/8GTedOI8BNi4xc0G>
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Sterility Testing (PCR)

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

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	NMT 0.05 EU/mL	NMT 0.05 EU/mL	PASS

Acceptance criteria: NMT 0.05 EU/mL per client specification.

Notes & Methodology

- 1. Date Tested: 08/02/2026. 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.




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