

TB-500 - 10mg

Tested for: Lexar
lab@domain.com

COA #: COA-2026-52KOP1
Lot Number: TB0001
Accession #: ACC-2026-65714
Labeled Content: 10mg

Analysis Date: 08/03/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 3mL
Date Received: 07/31/2026



TB-500 10mg - TB0001

Method: Full QC Panel

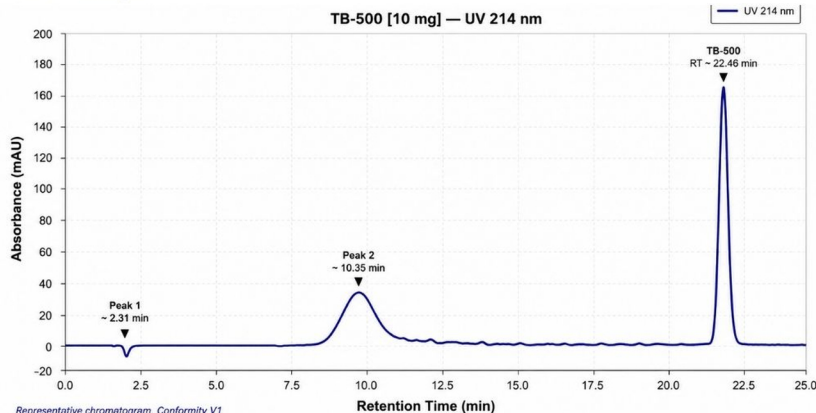
Identity:
TB-500

Peptide Purity: **99.51%**  Fentanyl Free

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.51%	%	PASS
Net Peptide Content	Report Only	10.33	mg	N/A
Identity (HPLC-RTM)	TB-500	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.51%	10.33 mg	Confirmed	PASS
Conformity V1	99.45%	10.35 mg	Confirmed	PASS
Mean	99.38%	10.43 mg	—	—
Std Dev	0.0850%	0.01700 mg	—	—


Harmon Lee

Reviewed and approved by:

COA #: COA-2026-52KOP1
Issued: 8/3/2026

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
Lead (Pb)	NMT 1.0 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10.0 ppm	Not Detected	PASS

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>)	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.			

Notes & Methodology

1. Date Tested: 08/03/2026. Methods: Purity, Identity & Quantitation (HPLC).
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.



Harmon Lee

Reviewed and approved by:

COA #: COA-2026-52KOP1

Issued: 8/3/2026