



CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

# TB-500

10 mg

Client: **Luxara Research Company - LuxaraLabs.com**  
LAB ID TB-064\_D ISSUED SEPTEMBER 9, 2026

## § 01 Sample Information

Sample ID: **TB-064\_D**  
Compound: **TB-500**  
Report No.: **COA-2026-SC-01415**  
Total Mass: **82.5 mg**  
Appearance: **Lyophilized powder**  
Received: **08/26/2026**  
Analyzed: **09/09/2026**  
CAS: **77591-33-4**  
Formula: **Ac-LKKTETQ (fragment)**  
Mol Weight: **889.0 g/mol**



SAMPLE PHOTOGRAPH

## § 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)  
Instrument · Agilent 1290 Infinity II with Agilent 6495 QQQ

| IDENTITY                                                                  | NET PEPTIDE CONTENT                                      | PEPTIDE FILL ACCURACY                                         | CHROMATOGRAPHIC PURITY                                           |
|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|
| <b>TB-500</b><br>Principal component confirmed against reference standard | <b>11.51 mg</b><br>Total peptide in the vial as received | <b>115.1 %</b><br>Measured net content ÷ declared label claim | <b>99.6 %</b><br>Principal-component peak area (Ph. Eur. 2.2.46) |

**Identity confirmation criteria** — MRM 445.3 > 241.2 (quantifier); retention time —: in agreement with reference standard.

**Chromatographic purity** bounds peptide-related impurities only — not excipients, counter-ions, or residual water — and is separate from net peptide content. Values are reported as measured; this document contains **no pass/fail determination** against any specification or label claim.

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