

CERTIFICATE OF ANALYSIS

BATCH DOCUMENTATION

TB-500 — 10 mg
Batch 2025062001-1

RESEARCH USE ONLY — NOT FOR HUMAN USE



PRODUCT REFERENCE PHOTOGRAPH

DOCUMENT SCOPE

This document reproduces analytical results reported in the supplier-provided COA for bulk batch 2025062001-1. Individual vial fill weight, per-vial assay and content uniformity are not independently established by this bulk COA.

A. PRODUCT INFORMATION

Product	TB-500
CAS No.	77591-33-4
Batch number	2025062001-1 (supplier bulk batch)
Manufacturing date	2025-06-20
Retest date	2028-06-19
Molecular formula	$C_{212}H_{350}N_{56}O_{78}S$
Molecular weight	4963.4 Da
Storage conditions	2–8 °C

B. SUPPLIER BATCH ANALYTICAL RESULTS

Test	Acceptance Criteria	Result
Identity & Appearance		
Appearance	White or almost white powder	Conforms
Solubility	Soluble in water	Conforms
Physicochemical Properties		
Water Content (Karl Fischer)	NMT 8.0%	4.1%
Acetic acid (By HPLC)	NMT 15.0%	2.5%
Purity (HPLC)		
Peptide Purity (By HPLC)	NLT 99.0%	99.88%
Total Impurities	NMT 2.0%	0.12%
Largest Single Impurity	NMT 1.0%	0.1%

Conclusion: Conforms with the product standards.

- Purity (HPLC) is reported as chromatographic purity of the bulk batch material; it does not quantify the peptide content of an individual vial.
- Results shown as “Conforms” are reproduced as reported in the supplier COA, which states no numeric values for these tests.
- NMT = Not More Than · NLT = Not Less Than

C. DOCUMENT SCOPE & LIMITATIONS

- The analytical results in this document are reported for the supplier's bulk batch 2025062001-1 and do not constitute an independent assay of the contents of individual finished vials.
- No sterility is verified by this document. The bulk COA includes no sterility test, and no claim of sterility is made for the finished product.
- No numerical endotoxin or microbial results are reported where the supplier COA states only "Conforms".
- This document is a presentation of the supplier's batch analysis. It is not a certificate issued by an independent laboratory and carries no laboratory accreditation.
- This product is for research use only and is not verified for human, medical or pharmaceutical use.

DOCUMENTATION BASIS — Analytical results reproduced from supplier-provided Certificate of Analysis, COA No. 2025062001-1, Batch 2025062001-1. This document is a presentation of the supplier's batch analysis and is not an independent laboratory certificate.

RESEARCH USE ONLY — NOT FOR HUMAN USE