

CERTIFICATE OF ANALYSIS

TB-500 (complete Thymosin β 4 (1–43))/ 5 mg

Batch number:	TB5-260415
Molecular Formula:	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Molecular Weight:	4963.49 g/mol
CAS No.	77591-33-4
Storage:	Lyophilized: -20°C long-term storage recommended Reconstituted: store at 2–8°C and use within 7–14 days Avoid repeated freeze-thaw cycles

Analytical results

Tests	Specifications	Results
Appearance	White to off white powder	Consistent
Purity (HPLC)	≥98%	99.54%
Water (Karl Fischer)	≤10.0%	7.22%
Acetic Acid (HPLC)	≤12%	3.39%
Trifluoroacetic Acid	≤1%	0.36%
Peptide Content	≥80%	88.93%
MS	Consistent	Consistent
Endotoxin	≤5EU/mg	Consistent
Mass Balance	95.0 – 105.0%	Consistent

The tested batch TB5-260415 meets internal quality specifications for identity, purity, peptide content, and specified impurity thresholds. This document is a manufacturer-issued quality control report provided for informational and research reference purposes. Distributed by: <https://life-peptide.com>
Not intended for human or veterinary use.