Certificate of Analysis

Product Name	TB-500 (Thymosin β4)		
Molecular Formula	$C_{212}H_{350}N_{56}O_{78}S$	**Batch No.**	TB20260914
Molecular Weight	4963.4 Da	**Date of Producing**	2026/09/14
Date of Survey	2026/09/20	**Expire Date**	2028/09/09
Reference Standard	Enterprise Standard	**Specification**	10mg/vial

TEST	SPECIFICATION	RESULT
Appearance	White to off-white lyophilized powder	Conform
Solubility	Soluble in water	Conform
Identity By MS	4963.4 ± 2.0	4962.9
Water Content(Karl Fischer)	≤ 10.0%	4.2%
Sodium ion	≤ 3.0%	1.7%
Peptide Purity(By HPLC)	≥ 98.0%	99.1%
Related Substance(By HPLC)	Total Impurities(%) ≤ 2.0%	1.2%
	Largest Single Impurity(%) ≤ 1.0%	0.6%
Assay	95%-105%	99.4%
Organic solvent residue	Acetonitrile ≤ 0.041%	< 0.041%
	Dichloromethane ≤ 0.06%	< 0.06%
	N,N-Dimethylformamide ≤ 0.088%	< 0.088%
Conclusion: the product conforms with enterprise standard and qualified		

Research Enhanced Peptides

The product is for compliant use only.