Certificate Of Analysis

NO:024-T81-TSX

Peptide Name	Thymosin β4 ， TB500		
Molecular Formula	$C_{212}H_{350}N_{56}O_{78}S$	**Manufacturing**	2026/02/04
Molecular Weight	4963.49	**Report Date**	2026/02/06
CAS No.	77591-33-4	**Re-test Date**	2028/02/06
Appearance	white powder	**Packing size**	1Kg/bag
Renference Standard	Enterprise Standard	**Storage conditions**	Cool dry place(away from the light)
Sequence	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH		

Tests	Specifications	Results
Appearance	White powder	Conforms
MS (ESI)	Conforms	Conforms
Purity(HPLC)	≥98.0%	99.24%
Acetate Content(HPLC)	<12.0%	3.39%
Water Content (Karl Fischer)	≤10.0%	7.22%
Peptide Content (N%)	≥80.0%	88.63%
Mass Balance	95.0~105.0%	Conforms

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker:** Bowen Yang