

Certificate Of Analysis

TS003-260901 PD-FD-006

Peptide Name	Thymosin β 4 , TB500		
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S	Manufacturing	2026/09/14
Molecular Weight	4963.49	Report Date	2026/09/14
CAS No.	77591-33-4	Re-test Date	2028/09/13
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Renference Ch.p	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)	$\geq 99.0\%$	99.06%
Acetate Content(HPLC)	$\leq 8.0\%$	1.4%
Water Content (Karl Fischer)	$\leq 10.0\%$	5.7%
Peptide Content (N%)	$\geq 80.0\%$	92.0%
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