

Certificate of Analysis			
Product Name	Thymosin β 4 (TB500)		
CAS. NO.	77591-33-4	Batch No.	HG-250721
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S	Molecular Weight	4963.51
Mfg. Date	2025.07.21	Retest Date	2027.07.20
Report Date	2025.07.25	Quantity	1096g
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			
Items		Specification	Result
1	Appearance	White to off white powder	White powder
2	Solubility	Freely soluble in water	Conforms
3	Differentiate	Positive reaction	Conforms
4	Molecular Ion Mass	4963.51 $\pm$ 2	4963.51
5	Water Content (K.F)	$\leq$ 10.0%	4.5%
6	Acetic Acid	$\leq$ 12.0%	4.4%
7	Related Solvent	Methano $\leq$ 0.3%	0.1%
		Acetonitrile $\leq$ 0.04%	0.006%
		DMF $\leq$ 0.088%	ND
8	Purity (by HPLC)	$\geq$ 99.0%	99.3%
9	Bacterial Endotoxins	< 10 EUmg	Conforms
10	Peptides Content	$\geq$ 90.0%	90.4%
Storage	Preserve in an air tight container, protected from light at a temperature of -25°C-15°C		
Conclusion	The product tested Conform with In-house standard		
Remark	It is only supplied as chemical product		