



Certificate of Analysis

Product Name	Thymosinb4	CAS No.	77591-33-4
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S	Molecular Weight	4963.44
Batch No.	XR23120301-1	Date of Mfg	Jan 03,2024
Reference Standard	Enterprise Standard	Retest Date	Jan 02,2026
Storage	Place in an airtight container protected from Light and keep the temperature between 2°C and 8°C		
TEST	SPECIFICATION	RESULT	
Appearance	White or almost white fluffy powder	Conform	
Solubility	Soluble in water	Conform	
Water Content (Karl Fischer)	< 8 %	4.40%	
Acetic Acid (By HPLC)	< 5 %	1.15%	
Trifluoroacetic Acid	< 0.5%	Not Detected	
Peptide Purity (By HPLC)	> 98.0%	99.39%	
Related Substance (By HPLC)	Total Impurities(%) < 2.0%	0.61%	
	Largest Single Impurity(%) < 1.0%	0.22%	
Assay	> 90.0%	94.24%	
Bacterial Endotosins	<10EU/mg	Conform	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: This product is for research or production use only.