

Certificate Of Analysis

NO:024-A87-TSX

Peptide Name	Thymosin β 4		
Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S	Manufacturing	2025/04/16
Molecular Weight	4963.44	Report Date	2025/04/22
CAS No.	77591-33-4	Re-test Date	2027/04/21
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Renference Ch.p	Storage conditions	-15°C to -25°C
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
Solubility	Insoluble in water	Conforms
Purity(HPLC)	$\geq 98.0\%$	99.0%
Water Content (Karl Fischer)	$\leq 8.0\%$	4.3%
Acetic Acid (ByHPLC)	$\leq 10.0\%$	4.8%
Related Substance (ByHPLC)	Total Impurities($\%$) $\leq 2.0\%$	1.0%
	Largest Single Impurity ($\%$) $\leq 1.0\%$	0.3%
Organic Solvent Residue	Acetonitrile $\leq 0.041\%$	$< 0.041\%$
	Dichloromethane $\leq 0.060\%$	$< 0.060\%$
	N,N-Dimethylformamide $\leq 0.088\%$	$< 0.088\%$
Bacterial endotoxin	$< 10\text{EU/mg}$	$< \text{EU/mg}$

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

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