

Certificate of Analysis

Thymosin Beta 4 Acetate

CAS No	77591-33-4	Code	BIOJTHM001
Batch No	2026011201	Manufacture Date	Feb.03, 2026
Retest Date	Feb.02, 2028	Quantity	20G

Testing Items	Specifications	Results
Appearance	White or off-white powder	White powder
Solubility	Soluble in water	Complies
Water content (Karl Fischer)	$\leq 8.0\%$	3.7%
Acetic Acid (By HPLC)	$\leq 10.0\%$	5.0%
Trifluoroacetic acid (By HPLC)	$\leq 0.25\%$	0.15%
Molecular weight	-----	4963.44
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.5%
Related Substance (By HPLC)	Largest single impurity $\leq 1.0\%$ Total impurities $\leq 2.0\%$	0.2% 0.5%
Peptide content	$\geq 80.0\%$	90.6%
Organic solvent residue	Acetonitrile $\leq 0.041\%$ Dichloromethane $\leq 0.060\%$ N,N-Dimethylformamide $\leq 0.088\%$	<0.041% <0.060% <0.088%
Bacterial endotoxin	<10EU/mg	<10EU/mg
Conclusion	This product conforms to In-house standard	

***Storage conditions:**

Stability studies demonstrate the material remains stable at 25 °C; ambient shipment permitted.

Long-term storage recommended at -20 °C

Active pharmaceutical ingredient supplied for pharmacy compounding.

S4D