Certificate of Analysis

Product Name	Thymosin Alpha 1 (Thymalfasin)		
Molecular Formula	$C_{129}H_{215}N_{33}O_{55}$	**Batch No.**	TA20260911
Molecular Weight	3108.3 Da	**Date of Producing**	2026/09/11
Date of Survey	2026/09/18	**Expire Date**	2028/09/08
Reference Standard	Enterprise Standard	**Specification**	10 mg/vial

TEST	SPECIFICATION	RESULT
Appearance	White to off-white lyophilized powder	Conform
Solubility	Soluble in water or PBS	Conform
Identity By MS	3108.3 ± 2.0	3107.9
Water Content (Karl Fischer)	≤ 8.0%	4.5%
Acetic Acid (By HPLC)	≤ 15.0%	8.3%
Peptide Purity (By HPLC)	≥ 98.0%	99.1%
Related Substance (By HPLC)	Total Impurities ≤ 2.0%	1.1%
	Largest Single Impurity ≤ 1.0%	0.5%
Assay	95.0% - 105.0%	99.6%
Bacterial Endotoxin	< 10 EU/mg	< 10 EU/mg

Conclusion: the product conforms with enterprise standard and qualified.

The product is for compliant use only.

Research Enhanced Peptides