



**PEPTIDE
WORKS**

Thymosin Beta-4

Certificate of Analysis

Product Name	Thymosin Beta-4		
CAS No.	77591-33-4	Batch No.	20251009003
Date of Producing	2025-10-09	Molecular Formula	$C_{212}H_{350}N_{56}O_{78}S$
Retest Date	2027-10-09	Molecular Weight	4963.44
Condition of Storage	2~8℃		
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white powder	Conforms
Solubility	soluble in water	Conforms
Water Content (Karl Fischer)	≤8.0%	7.2%
Acetic Acid (By HPLC)	≤10.0%	3.6
Peptide Purity (By HPLC)	≥98.0%	99.2%
Related Substance (By HPLC)	Total Impurities(%)≤2.0%	0.8%
	Largest Single Impurity(%)≤1.0%	0.3%

Conclusion	Conforms to the Enterprise standard
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