Lab Peptides

Certificate of Analysis

Product Name	Thymosin Alpha-1/ Thymalfasin		
CAS No.	62304-98-7	Batch No.	2026062601
Molecular Formula	C129H215N33O55	Date of Producing	2026.6.26
Molecular Weight	3108.28	Retest Date	2028.6.25
Condition of Storage	-20～8°C		
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	white or almost white powder or loose mass	Conforms
Solubility	Dissolved in TFA,slightly dissolved in water, insoluble in acetonitrile and ether	Conforms
Specific rotation$[a]^{20}_{D}$	-110.0°(c=5,0.02mol/L Phosphate)	-108.6°
Clarity & Colour of solution	The solution should be clear and colorless.If the turbidity is obvious,it shall not be thicker than the standard solution of turbidity NO.1.	Clear and colorless
Water Content (Karl Fischer)	≤5.0%	1.6%
Peptide Purity (By HPLC)	≥98.0%	99.17%
Related Substance (By HPLC)	Total Impurities(%)≤2.0%	0.8%
	Largest Single Impurity(%)≤1.0%	0.5%
Bacterial endotoxin	<10EU/mg	<10EU/mg

Conclusion	the product conforms with Ch.P and qualified

LAB PEPTIDES QUALITY APPROVED QUALITY CONTROL

Analyst: Jacky Zhang Checker: Nico Li Approved by: Cici Liu