

CERTIFICATE OF ANALYSIS

Product: TB500 (10mg/vial)

Peptide Name	TB500 (Thymosin β4 Acetate)	Molecular Formula	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Molecular Weight	4963.49	CAS No.	77591-33-4
Lot Number	TB10-20260803	Specifications	10mg/vial
Manufacturing Date	2026/8/3	Report Date	2026/8/17
Re-test Date	2028/8/2	Storage Condition	-25°C to -5°C (Protect from light)
Tests	Specifications	Results	
Appearance	White powder, No visible foreign bodies	Conforms	
Solubility	Soluble in water	Conforms	
Content determination (per vial, HPLC)	9.5 mg ~ 10.5 mg	10.19mg	
Purity (HPLC)	≥99.0%	99.26%	
Water Content (Karl Fischer)	≤3.0%	2.31%	
pH	6.0-8.0	6.9	
Related Substance (By HPLC)	Total Impurities (%) ≤2.0%	0.74%	
	Largest Single Impurity (%) ≤0.5%	0.40%	
Residual Solvents	Methanol: ≤0.3%	N.D. (Not Detected)	
	Acetonitrile: ≤0.041%	N.D. (Not Detected)	
	Ethyl Acetate: ≤0.5%	N.D. (Not Detected)	
Heavy Metals	≤10ppm (Pb、As、Cd、Hg)	Conforms	
Acetate content(HPLC)	≤12%	3.24%	
Sterility Test	Aseptic growth should be ensured	Conforms	
Bacterial Endotoxin	<5EU/mg	Conforms	
Content Uniformity	shall comply with regulations	Conforms	
Result(of inspection)	This product was tested according to corporate quality standards, with results conforming to regulations.		
Analyst: Wuyan	Reviewed by: Linwenwen		Authorized by: Zhang Jinyi
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