

CERTIFICATE OF ANALYSIS

Product: Tesamorelin (10mg/vial)

Peptide Name	Tesamorelin	Molecular Formula	C ₂₂₁ H ₃₆₆ N ₇₂ O ₆₇ S
Molecular Weight	5135.78 g/mol	CAS No.	218949-48-5
Lot Number	TSM10-20260805	Specifications	10mg/vial
Manufacturing Date	2026/8/5	Report Date	2026/8/19
Re-test Date	2028/8/4	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	9.97mg	
Purity (HPLC)	≥99.0%	99.31%	
Water Content (Karl Fischer)	≤3.0%	2.25%	
pH	4.5-7.4	5.8	
Related Substance (By HPLC)	Total Impurities (%) ≤2.0%	0.69%	
	Largest Single Impurity (%) ≤1.0%	0.41%	
Residual Solvents	Methanol: ≤0.3%	0.16%	
	Acetonitrile: ≤0.041%	0.026%	
	Ethyl Acetate: ≤0.5%	0.25%	
Heavy Metal	≤10ppm (Pb、As、Cd、Hg)	Conforms	
Bacterial Endotoxin	<5EU/mg	Conforms	
Sterility Test	Aseptic growth should be ensured	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: liuwenwen		Authorized by: Zhang Jinyi
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