

CERTIFICATE OF ANALYSIS

Product: Retatrutide (15mg/vial)

Peptide Name	Retatrutide	Molecular Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Molecular Weight	4731.33	CAS No.	2381089-83-2
Lot Number	RT15-20260805	Specifications	15mg/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)	14.25 mg ~ 15.75 mg	14.99mg	
Purity (HPLC)	≥99.0%	99.52%	
Water Content (Karl Fischer)	≤3.0%	2.48%	
pH	6.0-9.0	7.6	
Related Substance (By HPLC)	Total Impurities (%) ≤1.5%	0.48%	
	Largest Single Impurity (%) ≤0.5%	0.23%	
Residual Solvents	Methanol: ≤0.3%	0.18%	
	Acetonitrile: ≤0.041%	0.028%	
	Ethyl Acetate: ≤0.5%	0.31%	
Heavy Metals	≤10ppm (Pb、As、Cd、Hg)	Conforms	
Sodium ion	≤2%	1.47%	
Residual TFA	≤0.5%	N.D. (Not Detected)	
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: liuwenwen		Authorized by: Zhang yiny
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