

Certificate of Analysis

Name	Retatrutide	CAS No.	2381089-83-2
Formula	C ₂₂₁ H ₃₄₂ N ₄₀ O ₆₀	Origin	Chemical Synthesis
Lot No.	RTT-C250707	Manufacture Date	2025.07.07
Lot Size	/	Retest date	2027.07.06
Storage	In an airtight container, protected from light, at a temperature of 2 ~ 8 °C		
Test Items	Acceptance Criteria	Test Results	
【Description】			
Appearance	White or off-white powder or cake	White powder	
Solubility	NLT 5mg/mL in water	Conforms	
【Identification】			
MS Identification	Average molecular mass should be 4731.4 ±1.0 mass units	Conforms	
【Test】			
Purity	NLT 98.0%	99.3%	
Related Substances	Individual impurity NMT 1.0%	0.29%	
	Total impurities NMT 2.0%	0.70%	
Water	NMT 8.0%	3.0%	
Sodium Ion	NMT 2.0%	1.2 %	
Residual Solvent	Dichloromethane NMT 600ppm	Not Detected	
	Acetonitrile NMT 410ppm	234 ppm	
	Methanol NMT 3000ppm	Not Detected	
	Isopropyl ether NMT 5000ppm	Not Detected	
	Dimethylformamide NMT 880ppm	Not Detected	
Microbial limit	TAMC NMT 10 ³ cfu/ g	Conforms	
	TYMC NMT 10 ² cfu/ g	Conforms	
Bacterial endotoxins	NMT 10 EU/mg	Less than 10 EU/mg	
【Assay】			
Peptide Content	NLT 80.0% as is	95.1%	
Conclusion: The test results comply with the In-house specification.			
Reported by/Date:		Approved by/Date:	
王永纯, Wu Yichun. 2025.07.17		黄信 Shenzhen Alvantis Pharma Co., Ltd. Quality Control 检测专用章 深圳新声药业有限公司	

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Lot Size	/	Retest date	2027.07.08
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