

Certificate of Analysis

Lot number

Manufacturing date

Molecular formula

Molecular mass

Retest date CAS number

Product

Retatrutide

Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{ α -Me-Leu}-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2 Jun 29, 2024 Jun 28, 2024 2381089-83-2 C₂₂₁H₃₄₂N₄₆O₆₈ 4731.33

Tests	Specifications	Results	
Appearance	white or almost white powder	white powder	
Identification (MS)	4731.33±1.0	conforms	
Solubility	soluble in water	conforms	
Water content (karl fischer)	≤ 8.0%	4.66%	
Sodium ion	≤ 5.0%	1.45%	
Acetic acid (HPLC)	≤ 0.5%	0.05%	
Trifluoroacetic acid	≤ 0.5%	not detected	
Peptide purity (HPLC)	≥ 98.0%	99.57%	
Assay (C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈)	≥ 80.0%	93.37%	
Total impurities	≤ 2.0%	0.43%	
Largest single impurity	≤ 1.0%	0.18%	
рН	6.0-8.5	6.83	
Bacterial endotoxins (kinetic turbidimetry)	NMT 10 EU/mg	conforms	
Total aerobic microbial count	NMT 100 CFU/g	conforms	
Total yeasts and molds count	NMT 100 CFU/g	conforms	

Analysis date: Jul 15, 2024

Certificate of Analysis Lot number XR24050601-1-1

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