

Certificate of Analysis

Lot number	XR24052001-1
Product	Mazdutide His-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Glu-Lys-Lys-Ala-Lys-{AEEA-AEEA-γGlu-Nonadecanoic acid}-Glu-Phe-Val-Glu-Trp-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-NH ₂
Manufacturing date	Jul 14, 2024
Retest date	Jul 13, 2024
CAS number	2259884-03-0
Molecular formula	C ₂₁₀ H ₃₂₂ N ₄₆ O ₆₇
Molecular mass	4563.06

Tests	Specifications	Results
Appearance	white or almost white powder	white powder
Identification (MS)	4563.06±1.0	conforms
Solubility	soluble in water	conforms
Water content (karl fischer)	≤ 8.0%	2.96%
Sodium ion	≤ 5.0%	1.29%
Acetic acid (HPLC)	≤ 0.5%	0.03%
Trifluoroacetic acid	≤ 0.5%	not detected
Peptide purity (HPLC)	≥ 98.0%	99.16%
Assay (C₂₁₀H₃₂₂N₄₆O₆₇)	≥ 80.0%	94.85%
Total impurities	≤ 2.0%	0.84%
Largest single impurity	≤ 1.0%	0.41%
pH	6.0-8.5	6.75
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 24, 2024

Certificate of Analysis
Lot number **XR24052001-1**