

Certificate of Analysis

Lot number	XR24061401-6
Product	Cagrilintide {Eicosanedioic acid- γ -Glu}-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Glu-Phe-Leu-Arg-His-Ser-Ser-Asn-Asn-Phe-Gly-Pro-Ile-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Pro-NH ₂ (Disulfide bridge:Cys3-Cys8)
Manufacturing date	Jun 31, 2024
Retest date	Jun 30, 2024
CAS number	1415456-99-3
Molecular formula	C ₁₉₄ H ₃₁₂ N ₅₄ O ₅₉ S ₂
Molecular mass	4409.01

Tests	Specifications	Results
Appearance	white or almost white powder	white powder
Identification (MS)	4409.01 \pm 1.0	conforms
Solubility	soluble in water	conforms
Water content (karl fischer)	\leq 8.0%	4.03%
Acetic acid (HPLC)	\leq 5.0%	2.17%
Trifluoroacetic acid	\leq 0.5%	not detected
Peptide purity (HPLC)	\geq 98.0%	99.49%
Assay (C₁₉₄H₃₁₂N₅₄O₅₉S₂)	\geq 80.0%	91.49%
Total impurities	\leq 2.0%	0.51%
Largest single impurity	\leq 1.0%	0.32%
pH	4.0-6.5	5.37
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 21, 2024

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