

Certification of Analysis

Product Name		Mazdutide	CAS No.	2259884-03-0
Molecular Formula		C207H317N45O65	Batch No.	P250213-YS496988
Molecular Weight		4563.06	Manufacturing Date	10.04.2025
Storage		Cool dry place	Retest Date	10.04.2025
Sequence		His-Aib-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Glu-Lys-Lys-Ala-Lys(PE G2-PEG2- γ -Glu-Eicosanedioicacid)-Glu-Phe-Val-Glu-Trp-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-NH 2		
TEST		SPECIFICATION		RESULT
1	Appearance	White powder		White powder
2	Solubility	Soluble in water or acetic acid at give a clear, colorless solution		Conforms
3	Identification (MS)	4563.06 $\pm$ 1.0		4563.76
4	Amino Acid Composition	$\pm$ 10% of theoretical		Conforms
5	Peptide Purity (By HPLC)	$\geq$ 98.0% by area integration		99.65%
6	Related Substance(By HPLC)	Total Impurities($\leq$ 2.0%		0.35%
		Largest Single Impurity($\leq$ 1.0%		0.59%
7	Acetate Content (By HPLC)	$\leq$ 15.0%		12.1%
8	Water Content(Karl Fischer)	$\leq$ 8.0%		4.5%
9	Bacterial Endotoxins	$\leq$ 5EU/mg		Conforms
10	Peptide Content (N determination)	$\geq$ 80.0%		82.38%
11	Assay(By Anhydrous, Acetic Acid-free)	95.0 $\sim$ 105.0%		101.21%