

Certificate Of Analysis

NO:024-T85-TSX

Peptide Name	Tirzepatide		
Molecular Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈	Manufacturing	2025/02/17
Molecular Weight	4813.45	Report Date	2025/02/21
CAS No.	2023788-19-2	Re-test Date	2027/02/21
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Renference Ch.p	Storage conditions	-15°C to -25°C
Sequence	Tyr- {Aib} -Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile- {Aib} -Leu-Asp-Lys-Ile-Ala-Gln- {diacid-gamma-Glu-(AEEA)2-Lys} -Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂		

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	≥99.0%	99.4%
Water Content (Karl Fischer)	≤8.0%	3.26%
Related Substance (ByHPLC)	Total Impurities(%) ≤ 1.5%	0.6%
	Largest Single Impurity (%) ≤ 0.5%	0.31%
Sodium ion	≤2%	1.46%
Residual TFA	≤0.5%	N.D.
Residual Acetonitrile	≤410ppm	181ppm
Microbiological Examination	TAMC≤100cfu/g	TAMC≤10cfu/g
	TYMC≤100cfu/g	TYMC≤10cfu/g
Bacterial endotoxin	< 10EU/mg	< 10EU/mg

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

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