Certificate Of Analysis

NO:026-T85-TSX

Peptide Name	Tirzepatide		
Molecular Formula	$C_{225}H_{348}N_{48}O_{68}$	**Manufacturing**	2026/09/05
Molecular Weight	4813.45	**Report Date**	2026/09/10
CAS No.	2023788-19-2	**Re-test Date**	2028/09/05
Appearance	white powder	**Packing size**	1Kg/bag
Renference Standard	Renference Ch.p	**Storage conditions**	-15℃ to -25℃
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

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker**：Bowen Yang