Certificate Of Analysis

NO:026-S82-TSX

Peptide Name	Semaglutide		
Molecular Formula	$C_{187}H_{291}N_{45}O_{59}$	**Manufacturing**	2026/09/08
Molecular Weight	4113.58	**Report Date**	2026/09/13
CAS No.	910463-68-2	**Re-test Date**	2028/09/08
Appearance	white powder	**Packing size**	1Kg/bag
Renference Standard	Renference Ch.p	**Storage conditions**	-15℃ to -25℃
Sequence	H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(AEEAc-AEEAc-γ-Glu-17-carboxyheptadecanoyl)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH		

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	≥ 99.0%	99.3%
Water Content (Karl Fischer)	≤ 8.0%	2.5%
Related Substance (ByHPLC)	Total Impurities(%)≤ 1.5%	0.7%
	Largest Single Impurity （%）≤ 0.5%	0.2%
Sodium ion	≤2%	1.49%
Residual TFA	≤0.5%	N.D.
Residual Acetonitrile	≤410ppm	156ppm
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