

Certificate Of Analysis

NO: REDACTED-SAMPLE

Peptide Name	Semaglutide		
Molecular Formula	C ₁₈₇ H ₂₉₁ N ₄₅ O ₅₉	Manufacturing	2025/02/18
Molecular Weight	4113.58	Report Date	2025/02/23
CAS No.	910463-68-2	Re-test Date	2027/02/22
Appearance	white powder	Packing size	1Kg/bag
Reference Standard	Reference Ch.p	Storage conditions	-15°C to -25°C
Sequence	H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(AEEAc-AEEAc--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