

Certificate of Analysis

Product Name	Semaglutide		
Molecular Formula	C187H ₂ 91N45O ₉	Batch No.	2025031502
Molecular Weight	4113.58	Date of Producing	2025/03/16
Date of Survey	2025/03/17	Expire Date	2027/03/15
Reference Standard	Enterprise Standard	Specification	10mg/vial

TEST	SPECIFICATION	RESULT
Appearance	White or almost white powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	≤8.0%	5.2%
Sodium salt	≤5.0%	2.4%
Amino Acid Composition	His:0.9–1.1	1.1
	Asp:0.9–1.1	1.1
	Ala:2.7–3.3	3.0
	Val:1.8–2.2	2.1
	Glu:4.5–5.5	4.9
	Leu :1.8–2.2	2.0
	Gly :3.6–4.4	3.9
	Lys:0.9–1.1	1.1
	Thr:1.8–2.2	2.1
	Ile:0.9–1.1	1.1
	Phe:1.8–2.2	2.0
	Arg:1.8–2.2	2.0
	Ser :2.7–3.3	2.9
	Tyr:0.9–1.1	1.1
	Aib:Det	Det
	AEEA:Det	Det
Peptide Purity (By HPLC)	≥98.0%	99.8%
Related Substance (By HPLC)	Total Impurities (%) ≤2.0%	0.2%
	Largest Single Impurity (%) ≤1.0%	0.2%
Assay	95%–105%	100.2%
Conclusion: the product conforms with enterprise standard and qualified		

The product is for compliant use only.