

AurumLabs

3rd Floor, 86-90 Paul Street, London, England, United Kingdom, EC2A 4NE

CERTIFICATE OF ANALYSIS

Product Name	Semaglutide		
CAS NO.	910463-68-2	Batch No.	2026011801
Molecular Formula	C ₁₈₇ H ₂₉₁ N ₄₅ O ₅₉	Manufacturing Date	2026/1/19
Reference Standard	Enterprise Standard	Testing Date	2026/2/26
Sequence	His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-GlnAlaAla-N6-[N-(17-carboxy-1-OXOheptadecyl-L-y-glutamyl[2-(2-aminoethoxy)ethoxy]acetyl[2-2-aminoethoxy)et hoxy]acetyl]-Lys-Glu-Phe-IleAla-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH		
No.	Item	Specification	Test result
1	Appearance	White powder	Conform
2	Solubility	Freely soluble in water	Conform

3	Amino acid content	Asp: 0.9-1.1 Ser: 2.7-3.3 Glu: 4.5-5.5 Gly: 3.6-4.4 His: 0.9-1.1 Arg: 1.8-2.2 Thr: 1.8-2.2 Ala: 2.7-3.3 Aib: 0.9-1.1 Tyr: 0.9-1.1 Val: 1.8-2.2 Lys: 0.9-1.1 Ile: 0.9-1.1 Leu: 1.8-2.2 Phe: 1.8-2.2 AEEA: Should be detected	Conform
4	Assay	$\geq 95.0\% \sim 105.0\%$ (Calculated with reference to the anhydrous and salt-free substance.)	99.60%
5	Water Content (Karl Fischer)	$\leq 10.0\%$	3.90%
6	Sodium salt	$\leq 4.0\%$	2.30%
7	High molecular protein	$\leq 0.50\%$	0.04%
8	Bacterial Endotoxins	$\leq 50 \text{ EU/mg}$	Conform
9	Related Substance (By HPLC)	Total Impurities($\leq 2.0\%$)	0.20%
		Largest Single Impurity($\leq 0.1\%$)	0.05%
10	Organic Solvent Residue	Isopropyl ether $\leq 0.50\%$	N.D
		Isopropanol $\leq 0.50\%$	N.D
		Methanol $\leq 0.30\%$	N.D

		Acetonitrile \leq 0.041%	0.0119%
		Methylene chloride \leq 0.060%	N.D
		N,N-Dimethylformamide \leq 0.088%	N.D
11	Condition of Storage	Store at a temperature -15°C to -25°C	
Conclusion	The product conforms with enterprise standard and qualified		