

Certificate of Analysis

Product Name: GLP-1 10mg

Amino Acid Sequence:

His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-Gly

MW: 4113.58g/mol

Batch Number: 1KGLPC101152025

Manufacture Date: 01/15/2025 **Expiry Date:** 01/15/2026

Specifications:

Parameter	Specification	Results	Method
Appearance	Clear Liquid	Conforms	Visual
Content	10mg GLP-1	Conforms	Q-TOF LC/MS
Solubility in Water	Colorless	Conforms	Observation
Sodium Content	≤5%	1.3%	ICP-MS
Peptide Purity (HPLC)	≥99.1%	99.3%	Waters 2695 HPLC
Mass Spectrometry	4113.58 g/mol	Conforms	Q-TOF LC/MS
Assay/Content	≥95%	97.7%	Q-TOF LC/MS
Other Amino Acids	Not detectable/≤1%	ND	Q-TOF LC/MS
Loss on Drying	≤0.5%	ND	Thermogravimetric Analysis
Residue on Ignition	≤0.05%	NA	Sulfated Ash Test
Water Content	≤8%	NA	Karl Fischer Titration
pH	5 to 6	5.3 Conforms	pH Meter
Microbial Analysis/EU	≤1EU/mL	0.0241EU/mL Conforms	Chromogenic LAL Assay

Conclusion:

This batch meets all quality control specifications for release as detailed above.

Edwin Hoag

Edwin Hoag MD PhD 01/16/2025