

Certificate of Analysis

Semaglutide

Cat. No.:	HY-114118
CAS No.:	910463-68-2
Batch No.:	80864
Chemical Name:	Glycine, L-histidyl-2-methylalanyl-L-α-glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L-α-aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L-α-glutamylglycyl-L-glutaminy-L-alanyl-L-alanyl-N6-[N-(17-carboxy-1-oxoheptadecyl)-L-γ-glutamyl-2-[2-(2-aminoethoxy)ethoxy]acetyl-2-[2-(2-aminoethoxy)ethoxy]acetyl]-L-lysyl-L-α-glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-arginylglycyl-L-arginyl-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₁₈₇ H ₂₉₁ N ₄₅ O ₅₉
Molecular Weight:	4113.58
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:

His-(Aib)-Glu-Gly-Thr-Phe-Thr-Ser-Asp-
Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-
Ala-[C18 diacid-γ-Glu-(AEEA)2-Lys]-Glu-
Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly

ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	99.03%
Conclusion:	The product has been tested and complies with the given specifications.

