

Certificate of Analysis

Product Name	Semaglutide, sodium salt	Batch No.	M23X04231
CAS No.	910463-68-2 (free peptide)	MFG. Date	Apr 23, 2023
CAT No.	P000181 (free peptide)	Retest Date	Apr, 2025
Items	Specification	Results	
Appearance	White powder	Conforms	
MS	4113.6±1.0	4113.9	
Purity (HPLC)	≥ 98.0%	99.7%	
Amino acid analysis	His (0.9-1.1); Asp (0.9-1.1) Ala (2.7-3.3); Val (1.8-2.2) Glu (4.5-5.5); Leu (1.8-2.2) Gly (3.6-4.4); Lys (0.9-1.1) Thr (1.8-2.2); Ile (0.9-1.1) Phe (1.8-2.2); Arg (1.8-2.2) Ser (2.7-3.3); Tyr (0.9-1.1) Aib (Det); AEEA (Det)	His 1.0 ; Asp 1.0 Ala 3.0 ; Val 2.1 Glu 5.1 ; Leu 2.1 Gly 3.8; Lys 1.0 Thr 1.9 ; Ile 1.1 Phe 2.0 ; Arg 2.1 Ser 2.8 ; Tyr 0.9 Aib(Det); AEEA(Det)	
Sodium ion	1.5%-4.0%	2.2%	
Water content (KF)	≤ 8.0%	4.9%	
Peptide content (N%)	≥ 85%	92.1%	
Assay	97.0%-103.0% (anhydrous and sodium free substance)	99.1%	
Residual solvent Methanol Acetonitrile Triethylamine	≤ 3000 ppm ≤ 410 ppm ≤ 320 ppm	N.D 8 ppm N.D	
Conclusion	Corresponds.		
Storage Condition	Short-term storage: 2-8 °C Long-term storage: -20 °C		

QC:

Alex Foster

QA:

Felix Hobart