



Certificate of Analysis

Product name	Semaglutide	Manufacture date	Jul.22.2023
Batch number	SW230822	Analysis date	Jul.23.2023
Batch quantity	1kg	Expiry date	Jul.22.2025

Analysis	Specification	Result
Appearance	White To Off-White Powder Or Loose Solid	Conforms
Solubility	Soluble in water, insolube in ether	Conforms
Specific Optical Rotation	-10° ~ -20°	-14.3°
Identification(MS)	Molecular weight should be 4113.64 ± 1	Conforms
Amino acid analysis	Asp: 0.8~1.2 Ser: 2.4~3.6 Glu: 4.0~6.0 Gly: 3.2~4.8 His: 0.8~1.2 Arg: 1.6~2.4 Thr: 1.6~2.4 Ala: 2.4~3.6 Tyr: 0.8~1.2 Val: 1.6~2.4 Lys: 0.8~1.2 Ile: 0.8~1.2 Leu: 1.6~2.4 Phe: 1.6~2.4 Aib: 0.8~1.2	Asp: 1.1 Ser: 2.9 Glu: 5.0 Gly: 4.0 His: 0.9 Arg: 2.0 Thr: 2.1 Ala: 3.1 Tyr:1.0 Val: 2.0 Lys: 0.9 Ile: 1.0 Leu: 1.9 Phe: 2.0 Aib: 1.1
Clarity and color of the solution	Clear and colorless	Conforms
Water(K.F.)	≤5.0%	4.0%
Sodium ion	1.5%~4.0%	2.4%
Purity(HPLC)	≥99.0%	99.78%
Conclusion	This product conforms yto the in house standard.	

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place. keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer: 李强

Corrector: 佟丽华



Analyst: 刘琼