



CERTIFICATE OF ANALYSIS

Product name	Semaglutide	Batch No.	MLP-SEG-20220607
Quantity	40g	MFG. date	2022.06.07
Test date	2022.06.16	Retest. date	2024.06.06

Testing Items	Specifications	Results
Appearance	White to off-white powder or loose solid	Conforms
Solubility	Soluble in water, insoluble in ether	Conforms
Specific Optical Rotation	-10°~ -20°	-15.2°
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: 2.8 Glu: 4.7 Gly: 4.3 His: 1.0 Arg: 2.1 Thr: 1.9 Ala: 3.0 Tyr: 1.1 Val: 2.1 Lys: 1.0 Ile: 0.9 Leu: 1.9 Phe: 2.0 Aib: 0.9
Clarity and color of the solution	Clear and colorless	Conforms
Water (K.F.)	≤5.0%	1.4%
Purity (HPLC)	≥99.0%	99.27%
Conclusion	This product conforms to the in house standard.	

ANALYST:

检 1

CHECKER:

检 2

Q.C. DIRECTOR:



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