



武汉福鑫化工有限公司

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CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Semaglutide	910463-68-2	20240215
Mfg. Date	Exp. Date	Package
Feb.,15,2024	Feb., 14,2026	100g/Bag

Test	Specification	Result
Appearance	White powder conforms	conforms
MS	4113.6±1.0	4113.9
Solubility	Soluble in DMSO or water(PH=8) conforms	conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	conforms
Amino acid analysis	His (0.9-1.1); Asp (0.9-1.1)	His 1.0 ; Asp 1.0
	Ala (2.7-3.3); Val (1.8-2.2)	Ala 3.0 ; Val 2.1
	Glu (4.5-5.5); Leu (1.8-2.2)	Glu 5.1 ; Leu 2.1
	Gly (3.6-4.4); Lys (0.9-1.1)	Gly 3.8 ; Lys 1.0
	Thr (1.8-2.2); Ile (0.9-1.1)	Thr 1.9 ; Ile 1.1
	Phe (1.8-2.2); Arg (1.8-2.2)	Phe 2.0 ; Arg 2.1
	Ser (2.7-3.3); Tyr (0.9-1.1)	Ser 2.8 ; Tyr 0.9
Purity	NLT 98.0%	99.7%
Sodium ion	1.5%-4.0%	2.2%
Water content(KF)	NMT8.0%	4.9%
Peptide content(N%)	NLT 85%	92.1%
Assay	97.0%-103.0%(anhydrous and acetic acid free substance)	99.1%
Residual solvent	NMT 3000ppm	N.D
Methanol Acetonitrile	NMT 410 ppm	8ppm
Triethylamine	NMT 320 ppm	N.D
Conclusion	QUALIFIED	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03