

CERTIFICATION OF ANALYSIS

Tirzepatide	CAS: 2023788-19-2
Product No.:602694	Batch No.:23101701
Date of Mfg: Oct 17, 2023	Date of Exp: Oct 16, 2025
Sequence: Tyr-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Aib-Leu-Asp-Lys-Ile-Ala-Gln-Lys(PEG2-PEG2-γ-Glu-Eicosanedioi acid)-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2	

Test	Specification	Result
Appearance	White powder conforms	conforms
MS	4813.5 ± 1.0	4813.1
Solubility	Soluble in water (50mg/ml)	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
Purity	NLT 98.0%	99.33%
Sodium ion	NMT4.0%	1.4%
Water content(KF)	NMT8.0%	3.7%
Trifluoroacetate	<0.5%	N.D
Acetic acid	<0.5%	N.D
Endotoxins	Less than 10IU/mg	Conforms
pH	6.0~9.0(50mg/ml)	8.4
Peptide content(N%)	NLT 85.0%	92.1%
Assay	97.0%-103.0%(anhydrous and acetic acid free substance)	97.1%
Residual solvent Acetonitrile N,N-Dimethylformamide DCM	NMT 410 ppm NMT 880 ppm NMT 600ppm	73ppm N.D 4ppm

Storage: In an air tight container, protected from light

Temperature :Short Term:2-8℃ ; Long Term:below-10℃

Conclusion: the product complies with specification.

It is only supplied as chemical product.