

CERTIFICATION OF ANALYSIS

Tirzepatide	CAS: 2023788- 19-2
Product No.:602694	Batch No.: 22120902
Date of Mfg: March 09, 2024	Date of Exp: March 09, 2026
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-NH ₂	

Test	Specification	Result
Appearance	White powder conforms	conforms
MS	4813.5 \pm 1.0	4812.9
Solubility	Soluble in water	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%	99.3%
Sodium ion	NMT2.5%	1.9%
Water content(KF)	NMT8.0%	3.2%
Peptide content(N%)	NLT 85%	94.6%
Assay	97.0% - 103.0% (anhydrous and acetic acid free substance)	99.7%
Residual solvent Methanol Acetonitrile Triethylamine	NMT 3000ppm NMT 410 ppm NMT 320 ppm	conforms

Storage: In an air tight container, protected from light at temperature 2 - 8 C.

Conclusion: the product complies with specification.

It is only supplied as chemical product.

Analysis :Janie.zhang

Date :2024. 03. 09

Approved by : Christ.zheng

Date :2024. 03. 09