

Certificate of Analysis

Product Name	Tirzepatide		
Molecular Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈	Batch No.	2025032701
Molecular Weight	4813.45	Date of Producing	2025/04/12
Date of Survey	2025/04/25	Retest Date	2027/04/11
Reference Standard	Enterprise Standard	Specification	15mg

TEST	SPECIFICATION	RESULT
Appearance	White to off white powder or loose lump	Conform
Solubility	Soluble in 50% aqueous acetoritrile	Conform
Identity By MS	4813.45±2.0	4812.2
Water Content(Karl Fischer)	≤ 10.0%	4.9%
Sodium ion	≤ 3.0%	1.5%
Peptide Purity(By HPLC)	≥ 98.0%	99.2%
Assay	95%-105%	100.03%
Related Substance(By HPLC)	Total Impurities(%) ≤ 2.0%	0.8%
	Largest Single Impurity(%) ≤ 1.0%	0.3%
Peptide Content	≥85.0%	92.8%
Organic solvent residue	Acetonitrile≤0.041%	< 0.041%
	Dichloromethane≤0.060%	< 0.06%
	N,N-Dimethylformamide≤0.088%	< 0.088%

Conclusion: the product conforms with enterprise standard and qualified

The product is for compliant use only.

Analyst:Zhao Xinyu QC Director: Sun Xiaoyang Checker:Shi Ru