

# Certificate of Analysis

Product Name	Tirzepatide		
Molecular Formula	C <sub>225</sub> H <sub>348</sub> N <sub>48</sub> O <sub>68</sub>	Batch No.	2025060601
Molecular Weight	4813.45	Date of Producing	2025/06/23
Date of Survey	2025/07/07	Retest Date	2027/06/22
Reference Standard	Enterprise Standard	Specification	30mg

TEST	SPECIFICATION	RESULT
Appearance	White to off white powder or loose lump	Conform
Solubility	Soluble in 50% aqueous acetonitrile	Conform
Identity By MS	4813.45±2.0Da	4813.2Da
Water Content(Karl Fischer)	≤ 10.0%	4.4%
Sodium ion	≤ 3.0%	1.2%
Assay	95%-105%	100.04%
Peptide Purity(By HPLC)	≥ 98.0%	99.6%
Related Substance(By HPLC)	Total Impurities ≤ 2.0%	0.3%
	Largest Single Impurity ≤ 1.0%	0.1%
Peptide Content	≥85.0%	94.5%
Organic solvent residue	Acetonitrile ≤0.041%	< 0.041%
	Dichloromethane ≤0.060%	< 0.060%
	N,N-Dimethylformamide ≤0.088%	< 0.088%
Conclusion the product conforms with enterprise standard and qualified		

The product is for compliant use only.