Certificate of Analysis

Product Name	**Tirzepatide**		
Molecular Formula	$C_{225}H_{348}N_{48}O_{68}$	**Batch No.**	TR26100920
Molecular Weight	4813.45	**Date of Producing**	2026/10/09
Date of Survey	2026/10/14	**Retest Date**	2028/09/22
Reference Standard	Enterprise Standard	**Specification**	20mg

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±2.0Da	4812.6Da
Water Content(Karl Fischer)	≤ 10.0%	3.3%
Sodium ion	≤ 3.0%	0.9%
Assay	95%-105%	99.02%
Peptide Purity(By HPLC)	≥ 98.0%	99.1%
Related Substance(By HPLC)	Total Impurities ≤ 2.0%	0.5%
	Largest Single Impurity ≤ 1.0%	0.2%
Peptide Content	≥85.0%	99.2%
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		

Research Enhanced Peptides

The product is for compliant use only.