



## Certificate of Analysis

Product Name	Tirzepatide	CAS No.	2023788-19-2
Molecular Formula	C225H348N48O68	Molecular Weight	4813.8
Batch No.	XR23I 10801-2	Date of Mfg	Dec 17,2023
Reference Standard	Enterprise Standard	Retest Date	Dec 16,2025
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.		
<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>	
Appearance	White or almost white fluffy powder	Conform	
Solubility	Soluble in water	Conform	
Water Content (Karl Fischer)	< 8.0%	2.50%	
Sodium ion	< 5.0%	1.43%	
Acetic Acid	< 0.1%	0.07%	
Trifluoroacetic Acid	< 0.5%	0.02%	
Peptide Purity (By HPLC)	> 98.0%	99.34%	
Related Substance (By HPLC)	Total Impurities(%) < 2.0%	0.66%	
	Largest Single Impurity(%) < 1.0%	0.37%	
Bacterial Endotoxins	<10EU/mg	Conform	
Assay	> 90.0%	96.10%	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: this product is for research or production use only.