

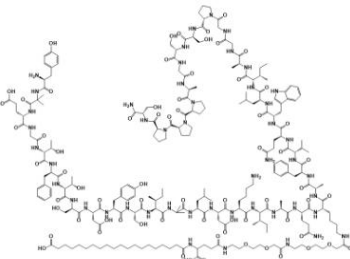


# Wuhan HengHeDa Pharm Co., Ltd

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Wuhan Economic& Technological Development Zone, Wuhan, China

## CERTIFICATE OF ANALYSIS

Product name	Tirzepatide	
CAS NO	2023788-19-2	
Molecular formula	C225H348N48O68	
Molecular weight	4813.8	
Quantity	400G	
Batch NO	HHD20230118	
Production date	2023.01.17	
Expiry Date	2025.01.17	
Test based on enterprise standard		
Test Item	Specification	Result
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	$\leq 8.0\%$	5.5%
Sodium ion	$\leq 5.0\%$	2.1%
Trifluoroacetic Acid	$\leq 0.5\%$	Not Detected
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.55%
Related Substance (By HPLC)	Total Impurities( $\leq 2.0\%$ )	0.45%
	Largest Single Impurity( $\leq 1.0\%$ )	0.18%
Bacterial Endotoxins	$\leq 10\text{EU/mg}$	Conform
Assay	95.0 ~ 105.0%	100.25%
Residual Solvents	Acetonitrile:NMT 410ppm	130ppm
	Dichloromethane:NMT 600ppm	Not Detected
	DMF:NMT 880ppm	Not Detected

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	2 years when properly stored.
Conclusion: This product complies with above specification.	
All Myland products are exported for Lab & Research use in legal and Non-patented area only. Products may not be used in human or animals. Individuals are fully responsible for all consequences arising therefrom.	

Inspector  
Shen Wu

Director  
King Yang

