

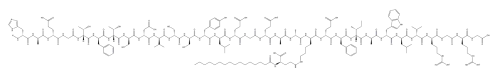


Wuhan HengHeDa Pharm Co., Ltd

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Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	Liraglutide	
CAS NO	204656-20-2	
Molecular formula	C172H265N43O51	
Molecular weight	3751.25	
Quantity	10G	
Batch NO	HHD20230419	
Production date	2023.04.19	
Expiry Date	2025.04.18	

Test based on enterprise standard

Test Item	Specification	Result
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in dilute ammonia water	Conform
Water Content (Karl Fischer)	$\leq 10\%$	8.9%
Peptide Purity (By HPLC)	$\geq 98.0\%$	$\geq 99.4\%$
Related Substance (By HPLC)	Total Impurities($\%) \leq 2.0\%$	0.6%
	Largest Single Impurity($\%) \leq 1.0\%$	0.2%
Organic Solvent Residue	Acetonitrile $\leq 0.04\ 1\%$	$< 0.041\%$
	Dichloromethane $\leq 0.060\%$	$< 0.060\%$
	N,N-Dimethylformamide $\leq 0.088\%$	$< 0.088\%$

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	

Inspector

Director



Shen Wu

King Yang