

Certificate of Analysis			
Product Name	Sermaglutide	CAS No.	910463-68-2
Molecular Formula	C187H291N45O59	Molecular Weight	4113.57754
Batch No.	TH2305002	Date of Mfg	Jun 14,2023
Reference Standard	Enterprise Standard	Retest Date	Jun 13,2025
Storage	In an airtight container,protected from light,at a temperature of 2℃ to 8℃.		
TEST	SPECIFICATION		RESULT
Appearance	White or almost white fluffy powder		Conform
Solubility	Soluble in water		Conform
Water Content (Karl Fischer)	$\leq 8.0\%$		4.8%
Sodium ion	$\leq 5.0\%$		2.1%
Trifluoroacetic Acid	$\leq 0.5\%$		Not Detected
Peptide Purity (By HPLC)	$\geq 98.0\%$		99.82%
Related Substance (By HPLC)	Total Impurities( $\%$ ) $\leq 2.0\%$		0.18%
	Largest Single Impurity( $\%$ ) $\leq 1.0\%$		0.13%
Bacterial Endotoxins	$\leq 10\text{EU/mg}$		Conform
Total Aerobic Microbial Count	$\leq 10^2 \text{ cfu/g}$		Conform
Total Yeast And Mold Count	$\leq 10^2 \text{ cfu/g}$		Conform
Assay	95.0 ~ 105.0%		101.54%
Residual Solvents	Acetonitrile:NMT 410ppm		138ppm
	Dichloromethane:NMT 600ppm		Not Detected
	DMF:NMT 880ppm		Not Detected
Conclusion	This batch of product conforms with enterprise standard and qualified.		

Remark:The product is for research or production use only. Not for direct human use.

Analyst: Li yunyi

Approved by: Zhou weitai