



Sichuan Taihui Biotechnology Co., Ltd.

Certificate of Analysis

Product Name	Semaglutide	CAS No.	910463-68-2
Molecular Formula	C187H291N45O59	Molecular Weight	4113.578
Batch No.	XR23110102-1-1	Date of Mfg	Mar 23,2024
Reference Standard	Enterprise Standard	Retest Date	Mar 22,2026
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.		
TEST	SPECIFICATION	RESULT	
Appearance	White or almost white fluffy powder	Conform	
Solubility	Soluble in water	Conform	
Water Content (Karl Fischer)	≤ 8.0%	3.51%	
Sodium ion	≤ 5.0%	1.87%	
Acetic Acid (By HPLC)	≤ 0.5%	0.06%	
Trifluoroacetic Acid	≤ 0.5%	Not Detected	
Peptide Purity (By HPLC)	≥ 98.0%	99.25%	
Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0%	0.75%	
	Largest Single Impurity(%) ≤ 1.0%	0.26%	
Bacterial Endotoxins	≤ 10 EU/mg	Conform	
Assay	≥ 90.0%	93.19%	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: This product is for research or production use only. Not for direct human use.

Analyst: Yang dan

Approved by: Jang chen

