



Certificate of Analysis

Product Name	Semaglutide	CAS No.	910463-68-2
Molecular Formula	C ₁₈₇ H ₂₉₁ N ₄₅ O ₅₉	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.