



Certificate of Analysis

Product Name	Melanotan 1	CAS No.	1566590-77-9
Molecular Formula	C80H115N21O21	Molecular Weight	1706.93
Batch No.	XR24022001-2	Date of Mfg	Mar 24,2024
Reference Standard	Enterprise Standard	Retest Date	Mar 23,2026
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%	3.60%	
Acetic Acid (By HPLC)	< 10.0%	5.85%	
Trifluoroacetic Acid	< 0.5%	Not Detected	
Peptide Purity (By HPLC)	> 98.0%	99.50%	
Related Substance (By HPLC)	Total Impurities(%) < 2.0%	0.50%	
	Largest Single Impurity(%) < 1.0%	0.25%	
Bacterial Endotoxins	<10 EU/mg	Conform	
Assay	> 85.0%	90.2%	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: This product is for research or production use only.