



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.