



Certificate of Analysis

Product Name	Melanotan II	CAS No.	121062-08-6
Molecular Formula	C50H69N15O9	Molecular Weight	1024.18
Batch No.	XR23112901-1	Date of Mfg	Jan 21,2024
Reference Standard	Enterprise Standard	Retest Date	Jan 20,2026
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%	3.50%	
Acetic Acid	< 15.0%	9.87%	
Trifluoroacetic Acid	< 0.5%	Not Detected	
Peptide Purity (By HPLC)	> 98.0%	99.34%	
Related Substance (By HPLC)	Total Impurities(%) < 2.0%	0.66%	
	Largest Single Impurity(%) < 1.0%	0.19%	
Bacterial Endotoxins	<10EU/mg	Conform	
Assay	> 85.0%	85.71%	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

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