



<b>Product Name</b>	Melanotan II	<b>CAS #</b>	121062-08-6
<b>Molecular Formula</b>	C50H69N15O9	<b>Molecular Weight</b>	1024.178
<b>Batch #</b>	TH2211001	<b>Date of Mfg</b>	2022-11-16
<b>Reference Standard</b>	Enterprise Standard	<b>Retest Date</b>	2024-11-15
<b>Storage</b>	In an airtight container, protected from light, at a temp of 2C to 8C		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	$\leq 8.0\%$	4.90%
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.86%
Related Substance (By HPLC)	Total Impurities (%) $\leq 2.0\%$	0.14%
	Largest Single Impurity (%) $\leq 1.0\%$	0.05%
Bacterial Endotoxins	$\leq 10\text{EU/mg}$	Conform
Assay	$\geq 90.0\%$	101.15%
Residual Solvents	Acetonitrile: NMT 410ppm	Not Detected
	Dichloromethane: NMT 600ppm	Not Detected
	DMF: NMT 880ppm	Not Detected

<b>Conclusion</b>	This batch conforms with enterprise standards and qualified
<b>Test Performed By</b>	Mike M
<b>Test Date</b>	11/21/22