

HYGENEPHARMA COMPANY LIMITED

Certificate of Analysis

Product Name	Melanotan II		
CASNo.	121062-08-6	Batch No.	2024071101-1
Molecular Formula	$C_{50}H_{69}N_{15}O_9$	Date of Producing	2024/10/19
Molecular Weight	1024.18	Retest Date	2026/10/18
Date of Survey	2024/10/28	Specification	10mg
Reference Standard	Enterprise Standard		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	$\leq 8.0\%$	3.2%
Acetic Acid (By HPLC)	$\leq 15.0\%$	10.5%
Trifluoroacetic acid (By HPLC)	$\leq 0.25\%$	ND
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.5%
Related Substance (By HPLC)	Total Impurities($\%$) $\leq 2.0\%$	0.5%
	Largest Single Impurity($\%$) $\leq 1.0\%$	0.2%
Assay	95%-105%	100.5%
Conclusion: the product conforms with enterprise standard and qualified		

The product is for compliant use only.

Analyst: Sun Li

QC Director: Ling Cheng

