

BATCH QUALITY DOCUMENT

Certificate of Analysis

Batch-specific analytical results, QSC Peptidology in-house QC.

Product	Melanotan II	Batch	MT2-2607
Mfg date	2026-07-04	Test date	2026-07-15
Retest date	2028-07-03	Quantity	16.5g
Molecular formula	C50H69N15O9	Molecular weight	1024.8
Storage condition	-20±5°C		

Test Item	Acceptance Criteria	Test Result	Status
Appearance	White or almost white powder	Meet the requirements	PASS
Identity By MS	1024.18±1	1024.8	PASS
Solubility	Soluble in water (10mg/3ml)	Meet the requirements	PASS
Water Content (Karl Fischer)	≤8.0%	3.5%	PASS
Acetic Acid	≤15.0%	10.8%	PASS
Trifluoroacetic acid	≤0.25%	ND	PASS
Peptide Purity (By HPLC)	≥98.0%	99.6%	PASS
Related Substance	Total Impurities ≤2.0% Largest Single Impurity ≤1.0%	0.4% 0.1%	PASS
Peptide content	≥80.0%	84.8%	PASS
Assay	95.0%~105.0%	99.1%	PASS
Organic solvent residue	Acetonitrile ≤0.041% Dichloromethane ≤0.060% N,N-Dimethylformamide ≤0.088%	<0.041% <0.060% <0.088%	PASS
Bacterial Endotoxins	<10EU/mg	<10EU/mg	PASS
Microbial limit	Total aerobic bacteria ≤100cfu/g Mould & Yeast ≤100cfu/g	<100cfu/g <100cfu/g	PASS

CONCLUSION Meets all specifications stated above.

For research and development use only. Not for human or veterinary use.

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