Certificate Of Analysis

NO:026-M81-TSX

Peptide Name	Melanotan I		
Molecular Formula	$C_{78}H_{111}N_{21}O_{19}$	**Manufacturing**	2026/08/29
Molecular Weight	1646.88	**Report Date**	2026/09/03
CAS No.	75921-69-6	**Re-test Date**	2028/08/29
Appearance	white powder	**Packing size**	1Kg/bag
Renference Standard	Renference Ch.p	**Storage conditions**	Cool dry place(away from the light)
Sequence	Ac-SYS{Nle}EH{D-Phe}RWGKPV-NH2		

Tests	Specifications	Results
Appearance	White powder	Conforms
MS (ESI)	Conforms	Conforms
Purity(HPLC)	≥98.0%	99.17%
Acetate Content(HPLC)	<12.0%	6.835%
Water Content (Karl Fischer)	≤10.0%	4.5%
Peptide Content (N%)	≥80.0%	87.4%
Mass Balance	95.0~105.0%	98.735%

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker**：Bowen Yang