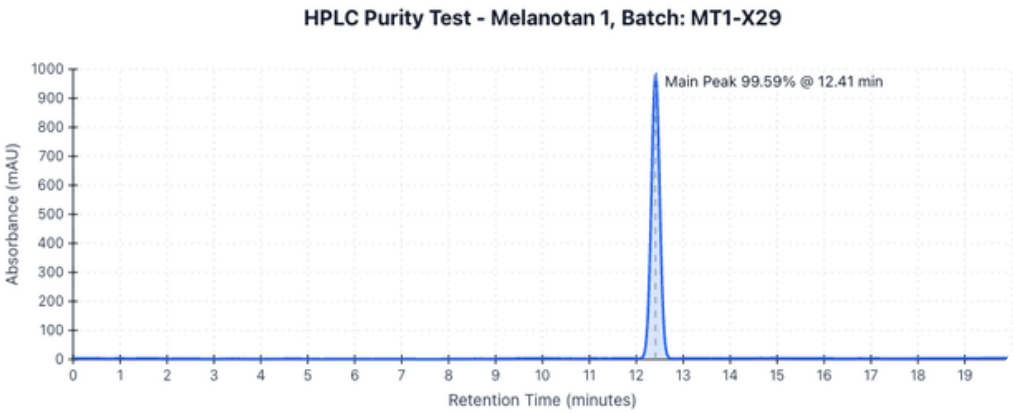
SynPeptides

CERTIFICATE OF ANALYSIS

ILLUSTRATIVE EXAMPLE - NOT A VERIFIED BATCH COA

BATCH VERIFICATION

BATCH	**MT1-X29**
Date	16/10/2026
Purity	99.59% HPLC
Heavy Metals	Non-detected



TECHNICAL PROPERTIES

Property	Details
Product	Melanotan 1
Identifiers	CAS 75921-69-6
Molecular Formula	$C_{78}H_{111}N_{21}O_{19}$
Molecular Weight	1646.85 g/mol
Storage	Powder: 20°C = 1–2 Months, 4°C = 1–2 Years, −18°C = Multi-year, −80°C = Optimal Solvent: 4°C = Up to 30 Days, −80°C = Long-term
Chemical Structure	Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH2

TEST RESULTS

Test Item	Specification	Method	Result
Appearance	White to off-white lyophilized solid	Visual	Conforms
Purity (HPLC)	≥ 98.5 %	HPLC (C18, 220 nm)	99.59% @ RT = 12.41 min
TFA Content	≤ 0.50 % w/w	NMR	Conforms
Identification	Consistent with reference	MS/NMR	Pass

Certified by: M. Chambers

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Assurance Date: 16/10/2026