

Independent Research Testing Center
875 Innovation Drive, Cambridge, MA 02139, USA

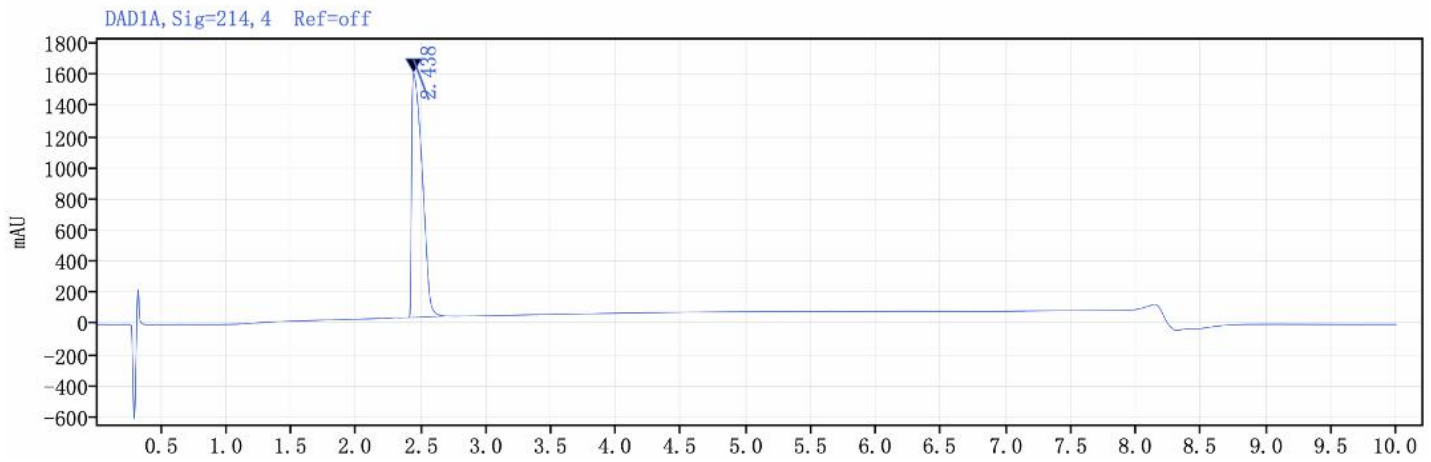
CERTIFICATE OF ANALYSIS (COA)

Product Name	Melanotan 1 10 mg (Injectable Research Vial)
Chemical Name	Melanotan-1 / Afamelanotide (Ac-Ser-Tyr-Ser-Nle-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂)
CAS Number	75921-69-6
Batch / Lot Number	MT1100514
Manufacturing Date	2026-05-14
Retest / Expiry Date	2028-05-14
Net Content	10 mg per vial
Storage Conditions	Store at 2–8°C, protected from light and moisture
Appearance	White to off-white lyophilized powder
Molecular Formula / MW	C ₇₈ H ₁₁₁ N ₂₁ O ₁₉ / 1646.85 g/mol

Analytical Results

Test Item	Specification	Result	Method
Identification	Conforms	Conforms	LC-MS
Purity (HPLC)	≥98.0%	99.23%	HPLC
Peptide Content	95.0–105.0%	100.6%	HPLC
Appearance	White to off-white lyophilized powder	Conforms	Visual
Water Content	≤3.0%	0.9%	Karl Fischer
Heavy Metals	≤10 ppm	<10 ppm	ICP-MS
Endotoxin	<10 EU/mg	<10 EU/mg	LAL Test

HPLC Chromatogram



For laboratory research use only. Not for human consumption.

Tester Name	Dr. Michael Carter
Signature	
Test Date	2026-05-30