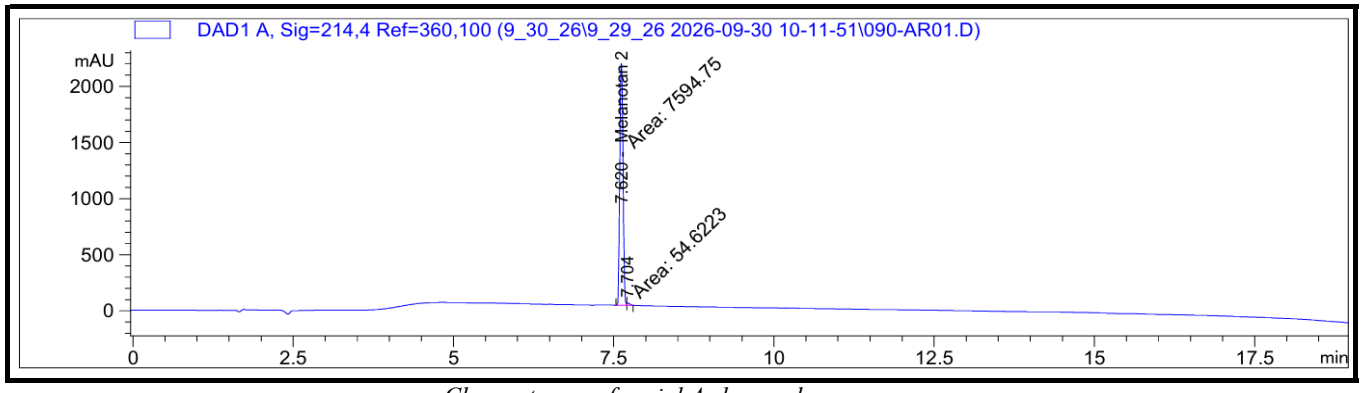
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

Melanotan 2 10.56 mg

Report To:
Solyn LLC

Compound: Melanotan 2
Amount: 10.56 mg
Laboratory ID: V260930-28 001
Date Reported: 10/16/2026
Lot Number: 2609-226



Chromatogram for vial A shown above.

Analysis	Method	Result (per Vial)		
Chromatographic Purity	HPLC-UV/VIS	99.29%	99.36%	99.24%
Assay	HPLC-UV/VIS	10.75 mg	10.26 mg	10.67 mg
Identity	HPLC-UV/VIS	Pass - Matches Ref. Standard		
Fentanyl Screening	HPLC-UV/VIS	Pass - Not Detected		



Report By: Dustin Newman, Laboratory Director on 10/16/2026

Approved By: Tori Johnson, Operations Manager on 10/16/2026

ISO 17025:2017 ACCREDITED LABORATORY

Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.

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Analyte	Method	LOQ (ppm)	Result (per Vial)	
Chromium (Cr)	ICP-MS	0.05	ND	ND
Arsenic (As)	ICP-MS	0.01	ND	ND
Cadmium (Cd)	ICP-MS	0.01	ND	ND
Lead (Pb)	ICP-MS	0.02	0.02	ND
Mercury (Hg)	ICP-MS	0.005	ND	ND

Run ID: 261005

Analysis	Method	Result (per Vial)	
Endotoxins	LAL	**A**	Pass - <5.00 EU/mg*
		B	Pass - <5.00 EU/mg*

*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)

Run ID: 261002

Analysis	Method	Result (per Vial)	
Sterility	USP <71>	**A**	Pass - No Growth
		B	Pass - No Growth
		C	Pass - No Growth
		D	Pass - No Growth

Run ID: 261001

Report By: Dustin Newman, Laboratory Director on 10/16/2026

Approved By: Tori Johnson, Operations Manager on 10/16/2026

ND: Non-Detect
LOD: Limit of Quantification

ISO 17025:2017 ACCREDITED LABORATORY

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Certificate of Analysis

Melanotan 2 10.56 mg

Report To:
Solyn LLC

Compound: Melanotan 2
Amount: 10.56 mg
Laboratory ID: V260930-28 001
Date Reported: 10/16/2026
Lot Number: 2609-226

Residual Solvents Analysis			
Analyte	**Method**	**LOQ (ppm)**	**Result (ppm)**
Acetone	GC-MS	3.7	ND
Benzene	GC-MS	0.02	ND
Butanes	GC-MS	3.7	ND
Chloroform	GC-MS	0.02	ND
Cyclohexane	GC-MS	2.9	ND
Dichloromethane	GC-MS	0.45	ND
Ethanol	GC-MS	3.7	ND
Ethyl Acetate	GC-MS	3.7	ND
Heptane	GC-MS	3.7	ND
Hexanes	GC-MS	0.21	ND
Isopropanol	GC-MS	3.7	ND
Methanol	GC-MS	2.2	ND
Pentanes	GC-MS	3.7	ND
Propane	GC-MS	3.7	ND
Toluene	GC-MS	0.66	ND
Total Xylenes	GC-MS	1.6	ND

Analysis	Method	Result (per Vial)	
Container Closure Integrity	Dye Ingress Method	**A**	Pass
		B	Pass
Solubility Analysis	Fully Soluble in 2 mL Water	**A**	Pass
Trifluoroacetic Acid (TFA)	Ion Chromotography	ND - <0.10%	

ND: Non-Detect
LOD: Limit of Quantification

ISO 17025:2017 ACCREDITED LABORATORY

Report By: Dustin Newman, Laboratory Director on 10/16/2026

Approved By: Tori Johnson, Operations Manager on 10/16/2026

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