

ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111
(619) 329-3999 | ils-lab.com

MT-2 (Melanotan 2 Acetate) - 10mg

Tested for: PepRx Labs

5150 Hidalgo St Unit 801 Houston Tx 77056 | www.PepRxLabs.com

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: 26T9F8JX

COA #: **COA-2026-954434**
Lot Number: **ML10-2026-001**
Labeled Content: **10mg**
Sample Matrix: **Powder**

Analysis Date: **07/29/2026**
Appearance: **Good**
Volume: **3mL**
Date Received: **07/08/2026**

Method: **Full QC Panel**

Identity

MT-2 (Melanotan 2 Acetate)

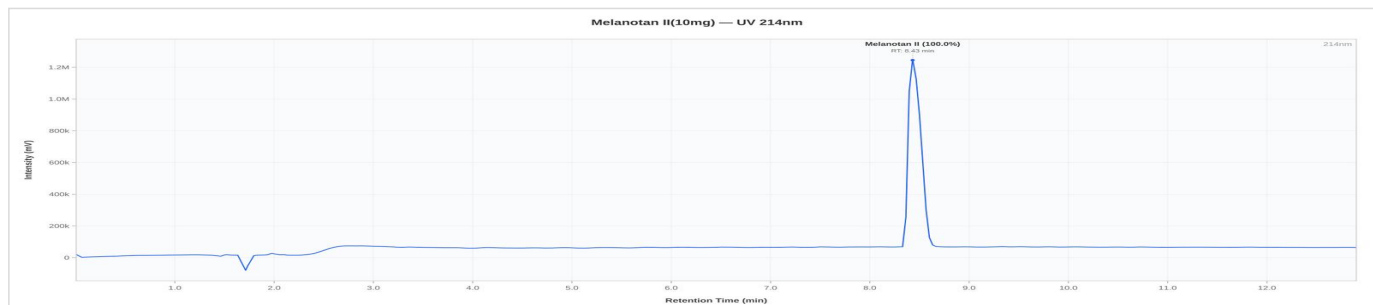
Peptide Purity

99.11%

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.11%	%	PASS
Net Peptide Content	Report Only	10.45	mg	N/A
Identity (HPLC-RTM)	Melanotan II	Confirmed	-	PASS
Identity (HPLC-RTM)	Melanotan II	Confirmed	-	PASS

HPLC Chromatogram



MT-2 (Melanotan 2 Acetate) 10mg - ML10-2026-001: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0.1217	PASS
Cadmium (Cd)	NMT 0.5 ppm	0.153	PASS
Lead (Pb)	NMT 1 ppm	0.0376	PASS
Mercury (Hg)	NMT 1.5 ppm	0.3991	PASS
Chromium (Cr)	NMT 10 ppm	0.828	PASS



Dr. Greg Kalyuzhny

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Lab Director
7/29/2026

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Sterility Testing (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	No Growth	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	0.09 EU/mL	Reported

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Notes & Methodology

1. Date Tested: 07/29/2026. Methods: Full QC Panel.
2. The sample was confirmed to be MT-2 (Melanotan 2 Acetate) by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.




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