

## ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111  
(619) 329-3999

## Melanotan II - 10mg

**PASS**

Tested for: UPrime Labs

uprimelabs.com

COA #: **COA-2026-KC1WI5**  
 Lot Number: **MII0001**  
 Accession #: **ACC-2026-3154**  
 Concentration: **10mg**  
 Sample Matrix: **Lyophilized**

Method: **Full QC Panel**  
 Analysis Date: **05/29/2026**  
 Appearance: **Good**  
 Volume: **3mL**  
 Received: **05/22/2026**

Identity	Peptide Purity
<b>Melanotan II</b>	<b>99.58%</b>

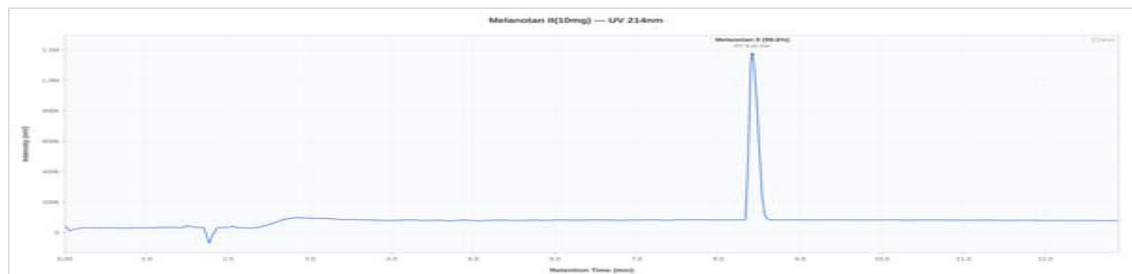
**Purity & Quant (HPLC)**

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	<b>99.58%</b>	%	<b>PASS</b>
Net Peptide Content	Report Only	<b>10.65</b>	mg	N/A
Identity (ID)	Melanotan II	<b>Confirmed</b>	-	<b>PASS</b>



Melanotan II 10mg - MII0001

### HPLC Chromatogram



Representative chromatogram, Conformity V1 (99.56% purity, closest to batch mean of 99.57%)

### HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.58%	10.65 mg	Confirmed	<b>PASS</b>
Conformity V1	99.56%	10.68 mg	Confirmed	<b>PASS</b>
Mean	<b>99.57%</b>	<b>10.66 mg</b>	—	—
Std Dev	<b>0.0100%</b>	<b>0.0150 mg</b>	—	—




**Dr. Greg Kalyuzhny**  
 Lab Director  
 5/29/2026

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 Verify:  
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Lot Number:	MII0001	Analysis Date:	05/29/2026
Accession #:	ACC-2026-3154	Appearance:	Good
Concentration:	10mg	Volume:	3mL
Sample Matrix:	Lyophilized	Received:	05/22/2026

### Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	Not Detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 ppm	Not Detected	PASS

### 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	NMT 0.05 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

- Date Tested: 05/29/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be Melanotan II by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- 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.
- Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
- 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.
- Chromatogram shown is representative: Conformity V1 (99.56% purity, closest to batch mean of 99.57%).




**Dr. Greg Kalyuzhny**  
Lab Director  
5/29/2026

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