OPTIQ HEALTH LABS

# CERTIFICATE OF ANALYSIS

TESTED PEPTIDE: **MELANOTAN II**

Scan to Verify COA Authenticity




## SAMPLE INFORMATION

**Sample Name:**
Melanotan 2 (MT2)

**Lot Number:**
KIZEN72826

**Manufactured By:**
Wholesale Peptide Supply

**Intended Use:**
Research Use Only

**Received Date:**
August 5, 2026

**Sample ID:**
0610.OPT.260805

**Client:**
Smart stack

**Sample Matrix:**
Lyophilized Peptide

**Manufactured Date:**
August 20, 2026

**Report Date:**
August 21, 2026

### PURITY
**99.8%**
RP-HPLC

### IDENTITY
**MELANOTAN II**
LC-MS

### ENDOTOXIN
**PASS**
LAL

### RESIDUAL SOLVENTS
**PASS**
GC-MS

### HEAVY METALS
**PASS**
ICP-OES

## RESULTS SUMMARY

| TEST PANEL | METHOD | SPECIFICATION | RESULT | STATUS |
|---|---|---|---|---|
| **Identity Verification** | LC-MS | - | Melanotan II | TESTED |
| **Purity** | RP-HPLC | ≥ 98.0% | 99.8% | TESTED |
| **Endotoxin** | LAL | ≤ 0.05 EU/mg | Pass | PASS |
| **Total Yeast & Mold** | USP <61>/<62> | Within Limits | Pass | PASS |
| **Residual Solvents** | GC-MS | - | Pass | PASS |
| **Heavy Metals** | ICP-OES | Within Limits | Pass | PASS |



QUALITY GUARANTEED

**Analyst**
Bryan Zahakaylo
Date: August 21, 2026

ND = Not Detected, NR = Not Reported, LOD = Limit of Detection, and LOQ = Limit of Quantitation. Results reported herein relate only to the specific sample tested. Optiq Health Labs, LLC makes no claims regarding the efficacy, safety, suitability, purity, sterility, or other risks associated with any detected or non-detected compounds, analytes, or reported values. This Certificate of Analysis shall not be reproduced except in full, without the written approval of Optiq Health Labs, LLC. This Certificate of Analysis is limited to the sample received and tested by the laboratory and does not represent or warrant the quality, composition, or characteristics of any other sample, lot, batch, product, or material. Any statements, representations, labeling, or claims regarding the intended use, application, or purpose of the tested material are solely those of the client and do not constitute, imply, or reflect any recommendation, endorsement, certification, or intended use determination by Optiq Health Labs, LLC.

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## Residual Solvents

Instrument: **GC-MS** Analysis Date: **August 21, 2026** **PASS**

| Analyte | LOD (µg/g) | LOQ (µg/g) | Action Limit (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|---|
| Propane | 15.4688 | 46.875 | 5000 | ND | PASS |
| Butane | 15.4688 | 46.875 | 5000 | ND | PASS |
| Methanol | 15.4688 | 46.875 | 3000 | ND | PASS |
| Ethylene Oxide | 0.1547 | 0.4688 | 1 | ND | PASS |
| Pentane | 15.4688 | 46.875 | 5000 | ND | PASS |
| Ethanol | 15.4688 | 46.875 | 5000 | ND | PASS |
| Ethyl Ether | 15.4688 | 46.875 | 5000 | ND | PASS |
| Acetone | 15.4688 | 46.875 | 5000 | ND | PASS |
| Isopropyl Alcohol | 15.4688 | 46.875 | 5000 | ND | PASS |
| Acetonitrile | 15.4688 | 46.875 | 410 | ND | PASS |
| Methylene Chloride | 0.1547 | 0.4688 | 1 | ND | PASS |
| n-Hexane | 15.4688 | 46.875 | 290 | ND | PASS |
| Ethyl Acetate | 15.4688 | 46.875 | 5000 | ND | PASS |
| Chloroform | 0.1547 | 0.4688 | 1 | ND | PASS |
| Benzene | 0.1547 | 0.4688 | 1 | ND | PASS |
| 1,2-Dichloroethane | 0.1547 | 0.4688 | 1 | ND | PASS |
| Heptane | 15.4688 | 46.875 | 5000 | ND | PASS |
| Trichloroethylene | 0.1547 | 0.4688 | 1 | ND | PASS |
| Toluene | 15.4688 | 46.875 | 890 | ND | PASS |
| Total Xylenes | - | - | 2170 | ND | PASS |
| Total Xylenes (m, p) | 23.2032 | 70.3125 | - | ND | PASS |
| Total Xylenes (o) | 23.2032 | 70.3125 | - | ND | PASS |

## Heavy Metals

Instrument: **ICP-OES** Analysis Date: **August 21, 2026** **PASS**

| Analyte | LOD (µg/g) | LOQ (µg/g) | Action Limit (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|---|
| Arsenic | 0.015 | 0.05 | 0.2 | ND | PASS |
| Cadmium | 0.0113 | 0.05 | 0.2 | ND | PASS |
| Lead | 0.00615 | 0.05 | 0.5 | ND | PASS |
| Mercury | 0.00126 | 0.005 | 0.1 | ND | PASS |



QUALITY GUARANTEED

**Analyst**
Bryan Zahakaylo
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