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

Sample Matrix: Lyophilized Peptide

Received Date: August 5, 2026

Sample ID: 0610.OPT.260805

Client:

Intended Use: Research Use Only

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.

info@optiqhealthlabs.com (949) 841-2437 www.optiqhealthlabs.com 1920 E Warner Avenue Unit N, Santa Ana CA, 92705

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

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