

Lot Number: **IWR-3295184-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **06/29/2026**
 Analysis Conducted: **06/24/2026**
 Searchable via: **horizonanalytical.com**

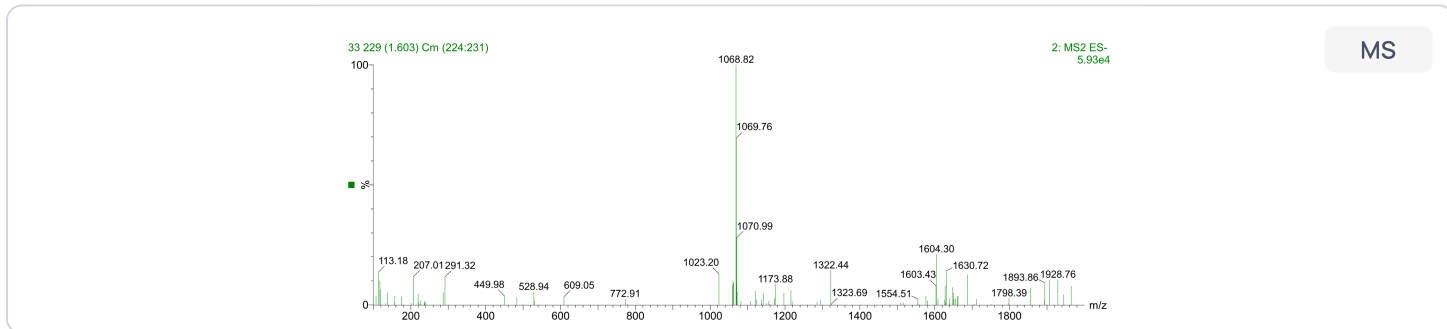
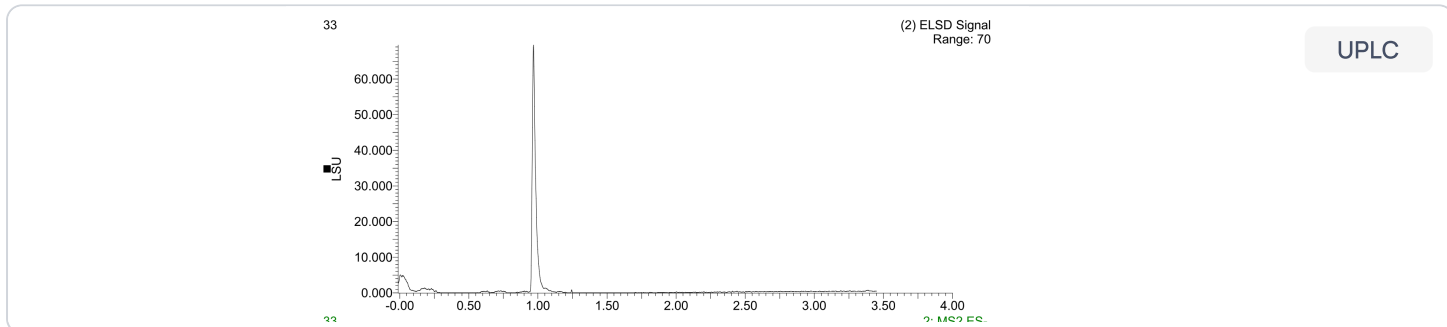
Compound:	Melanotan 2 (MT-2)
Lot:	IWR-3295184-P
Appearance:	White Lyophilized Powder

CAS:	121062-08-6
Formula:	C ₅₀ H ₆₉ N ₁₅ O ₉
Mol Weight:	~1024.2 g/mol

Pubchem CID: 92432

Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	Melanotan 2 (MT-2)	Melanotan 2 (MT-2)	
Quantity:	10mg	9.75mg	
Purity:	>98%	99.21%	



Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

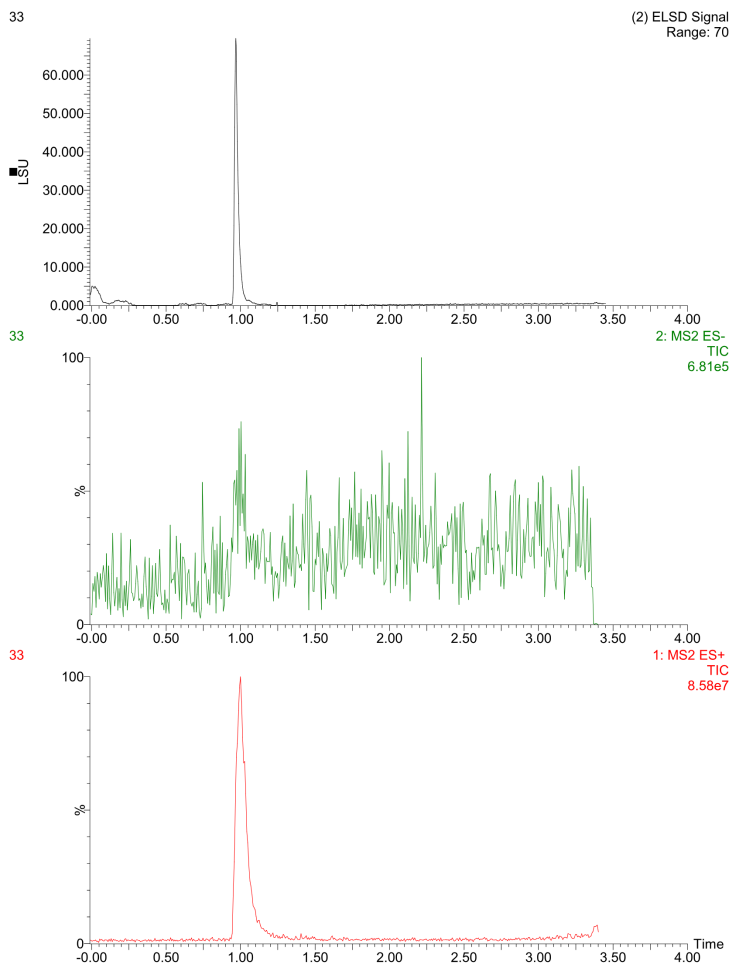


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

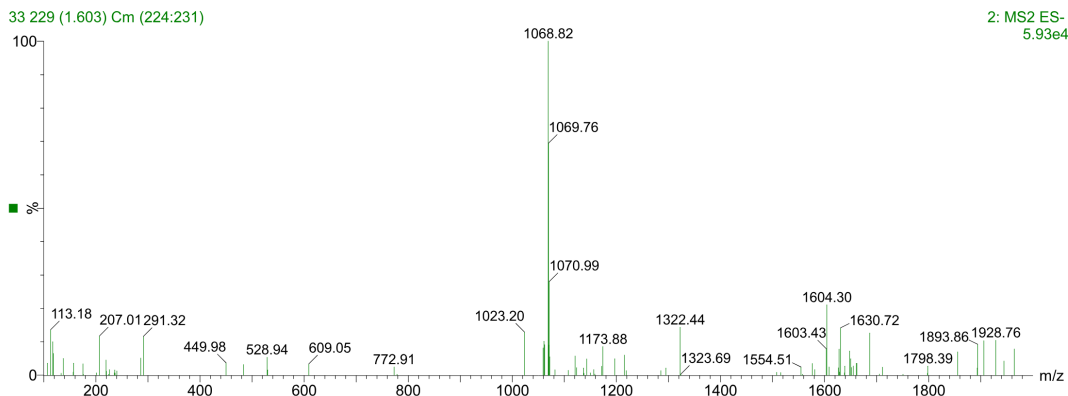
Lot Number: IWR-3295184-P
Client Name: Iron Within Research
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Received Date: 06/29/2026
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Melanotan 2 (MT-2) (10mg) • Pubchem CID: 92432
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: IWR-3295184-E
Client Name: Iron Within Research
Identity: www.ironwithinresearch.com

Received Date: 06/29/2026
Analysis Conducted: 06/24/2026
Searchable via: horizonanalytical.com

Compound:	Melanotan 2 (MT-2)
Lot:	IWR-3295184-E
Appearance:	-

CAS:	121062-08-6
Formula:	C ₅₀ H ₆₉ N ₁₅ O ₉
Mol Weight:	~1024.2 g/mol

Pubchem CID: 92432

Endotoxin Test

	Specification	Result	Scan to Validate:
Compound Test:	Melanotan 2 (MT-2)	-	
Endotoxin:	-	< 0.05 EU/mL	

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist



This endotoxin analysis was performed under standard laboratory conditions using validated testing methodologies to ensure accurate and reliable results. The analysis is intended for informational and research purposes only.

Contact at: contact@horizonanalytical.comProudly Owned and Operated in the USA 



Summit BioAnalytics | Nassau, The Bahamas | lab@summitbioanalytics.com |
summitbioanalytics.com

TESTED FOR

Iron Within Research

SAMPLE

Melanotan-II — 10 mg

PASS

BATCH #

IWR-2607-MT2

PURITY

99.83%

MASS

11.81 mg

IDENTITY

Confirmed

COA #:

SBA-26-0045

Method:

Full QC Panel

Lot Number:

IWR-2607-MT2

Analysis Date:

2026-08-02

Labeled Content:

10 mg

Date Received:

2026-07-29

Appearance:

White lyophilized
powder, intact seal



SCAN TO VERIFY



Identity



Purity



Endotoxins



Fentanyl Free



VIAL CAP

Blue

#0017A8

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity	Melanotan-II	Confirmed
Purity (HPLC)	>= 98.0%	99.83%
Content (gross)	Report only	11.81 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.02 EU/mL

Test	Specification	Result
Sterility Screen (rapid PCR)	No growth	No growth
Heavy Metals (ICP-MS)	ICH Q3D limits	All analytes within limits

Qualitative and quantitative chemical analysis by RP-HPLC with UV detection; identity confirmed by LC-MS. Fentanyl screening by targeted LC-MS/MS. Sterility by rapid nucleic-acid amplification — a screening method, not compendial sterility per USP <71>. Full methodology available on request.

Kasey Malganus

Kasey Malganus
Lab Director
2026-08-02

COA #: SBA-26-0045
Access Code: 545A83F8
Analyst: R. Whitfield
Verify: summitbioanalytics.com/verify
Issued: 2026-08-02

Summit BioAnalytics | Nassau, The Bahamas | lab@summitbioanalytics.com

This certificate relates only to the item tested, as received. Research use only — not for human or veterinary use. A not-detected screening result describes this sample only and is not a statement about any other unit or lot.