



Certificate of Analysis

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net

Client: Iron Within Research
Accession #: 2605060162
Search Code: Iron2605060162
Received: 05/06/2026
Reported: 05/08/2026
Lot: Blue Cap

Sample Summary

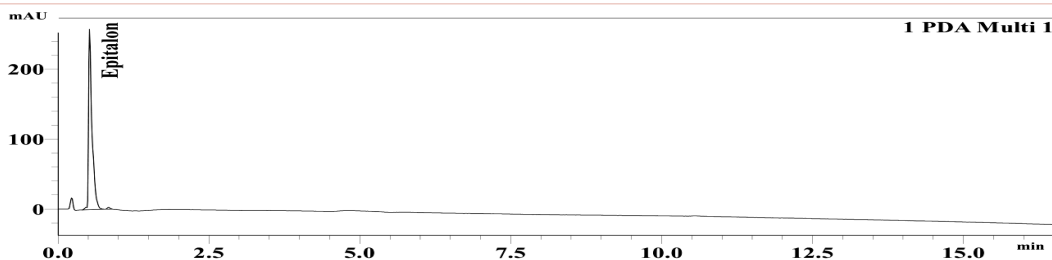
Product:	Epitalon 10mg	Purity:	99.19%
Identity:	Confirmed	Net Content:	13.65 mg
Appearance:	White Lyophilized Powder		

Analytical Results

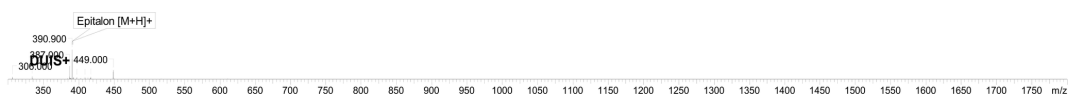
Test	Result
Identity (LC-MS)	Epitalon
Purity (HPLC-UV)	99.19%
Net Content	13.65 mg

Method: HPLC with UV detection coupled with mass spectrometry (LC-MS).

Chromatogram



Mass Confirmation



Alex Johnson

Principal Chemist

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net

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The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.



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TESTED FOR

Iron Within Research

SAMPLE

Epitalon — 50 mg

PASS

BATCH #

IWR-2607-EP50

PURITY

99.61%

MASS

57.08 mg

IDENTITY

Confirmed

COA #:

SBA-26-0014

Method:

Full QC Panel

Lot Number:

IWR-2607-EP50

Analysis Date:

2026-08-02

Labeled Content:

50 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	Epitalon	Confirmed
Purity (HPLC)	>= 98.0%	99.61%
Content (gross)	Report only	57.08 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.12 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-26-0014
Access Code: BR63NYBQ
Analyst: R. Whitfield
Verify: summitbioanalytics.com/verify
Issued: 2026-08-02

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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.



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summitbioanalytics.com

TESTED FOR

Iron Within Research

SAMPLE

Epitalon — 10 mg

PASS

BATCH #

IWR-2607-EP10

PURITY

99.78%

MASS

12.09 mg

IDENTITY

Confirmed

COA #:

SBA-26-0035

Method:

Full QC Panel

Lot Number:

IWR-2607-EP10

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

Pink

#FB84B0

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity	Epitalon	Confirmed
Purity (HPLC)	>= 98.0%	99.78%
Content (gross)	Report only	12.09 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.07 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-26-0035
Access Code: 5YB27E4T
Analyst: R. Whitfield
Verify: summitbioanalytics.com/verify
Issued: 2026-08-02

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

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