

BPC-157 / TB500 — Certificates of Analysis

Every batch we have tested for this product, newest first.

Match the strength on your vial to the rows below and turn to that page.

PAGE	STRENGTH	BATCH / LOT
2–10	3mg, 5mg, 10mg, 20mg, 40mg, 51mg, 52mg, 70mg, 82mg, 96mg, 99mg	02/22/25
11–15	5mg, 6mg, 10mg	02/22/2026

Lot Number: **IWR-8833606-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

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

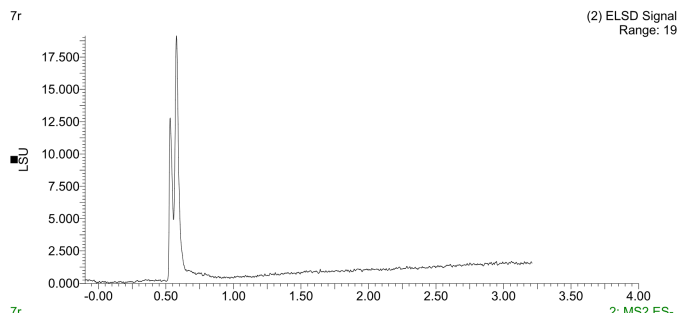
Compound:	BPC-157
Lot:	IWR-8833606-P
Appearance:	White Lyophilized Powder

CAS:	137525-51-0
Formula:	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Mol Weight:	~1419.5 g/mol

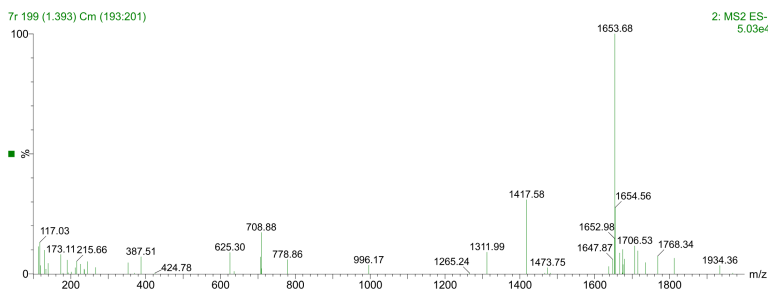
Pubchem CID: 108101

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

	Specification	Result	Scan to Validate:
Compound Test:	BPC-157	BPC-157	
Quantity:	5mg	5.03mg	
Purity:	≥ 98%	99.29%	



UPLC



MS

Aleksey Yevtodiyyenko PhD
Research and Formulation Chemist

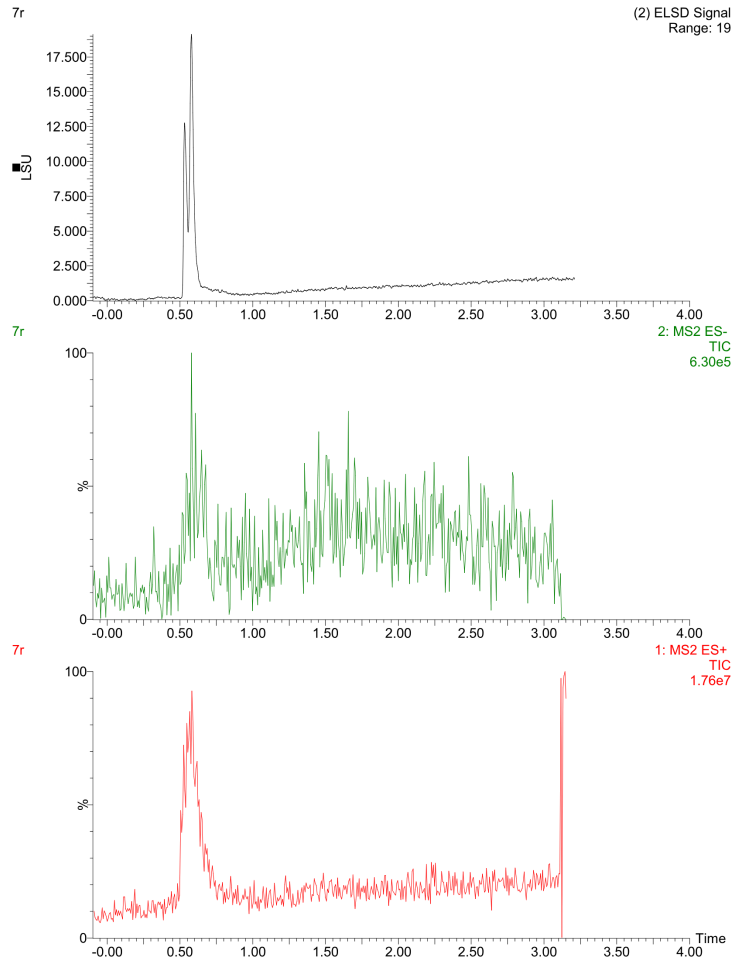


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

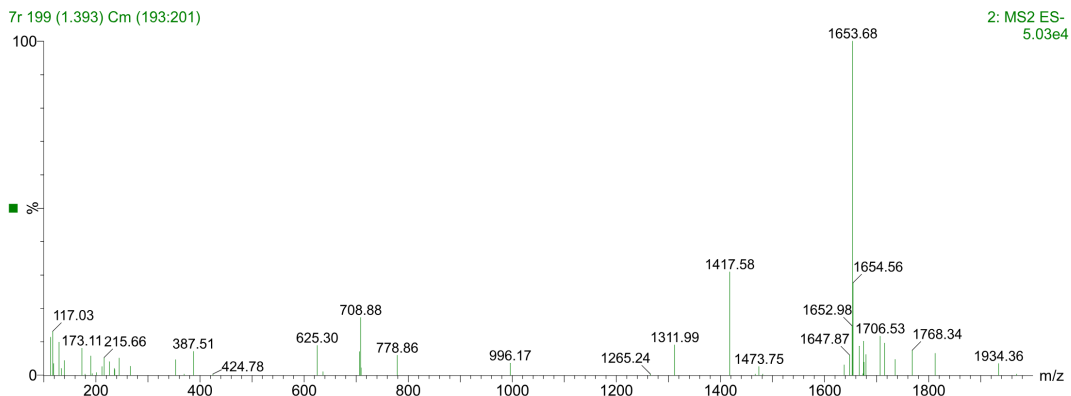
Lot Number: IWR-8833606-P
 Client Name: Iron Within Research
 Identity: www.ironwithinresearch.com

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

BPC-157 (5mg) • Pubchem CID: 108101
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: **IWR-8833606-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

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

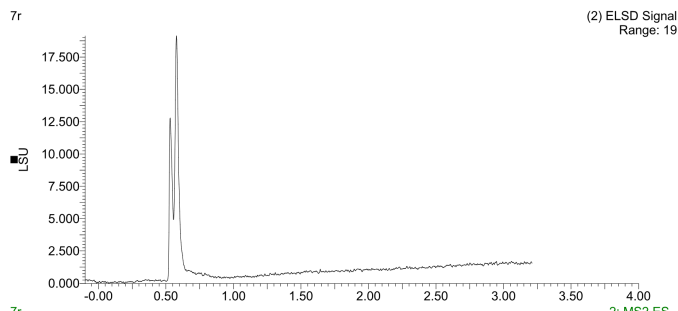
Compound:	TB-500
Lot:	IWR-8833606-P
Appearance:	White Lyophilized Powder

CAS:	77591-33-4
Formula:	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Mol Weight:	~4963 g/mol

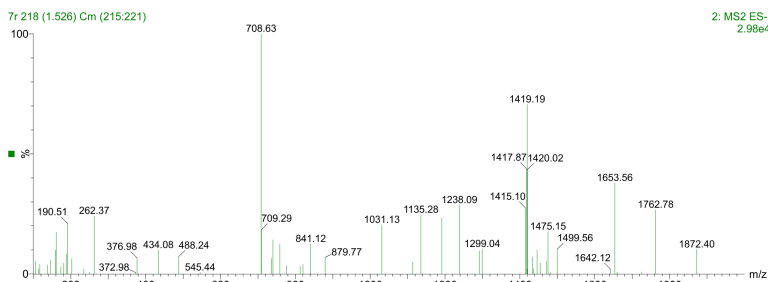
Pubchem CID: 16132341

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

	Specification	Result	Scan to Validate:
Compound Test:	TB-500	TB-500	
Quantity:	5mg	5.03mg	
Purity:	≥98%	99.32%	



UPLC



MS

Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

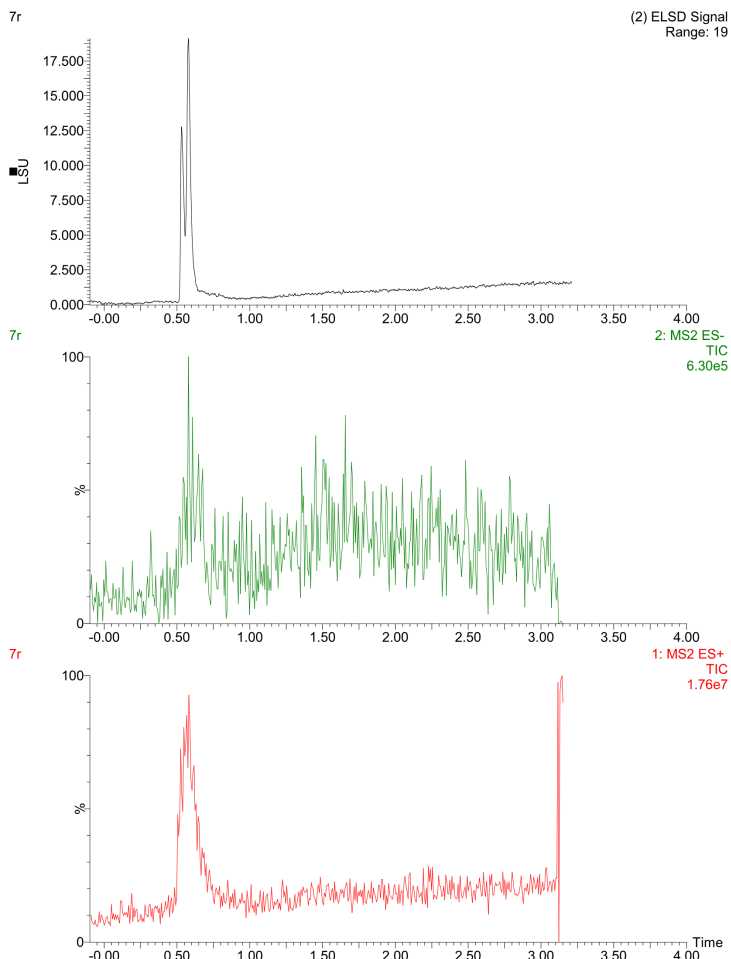


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

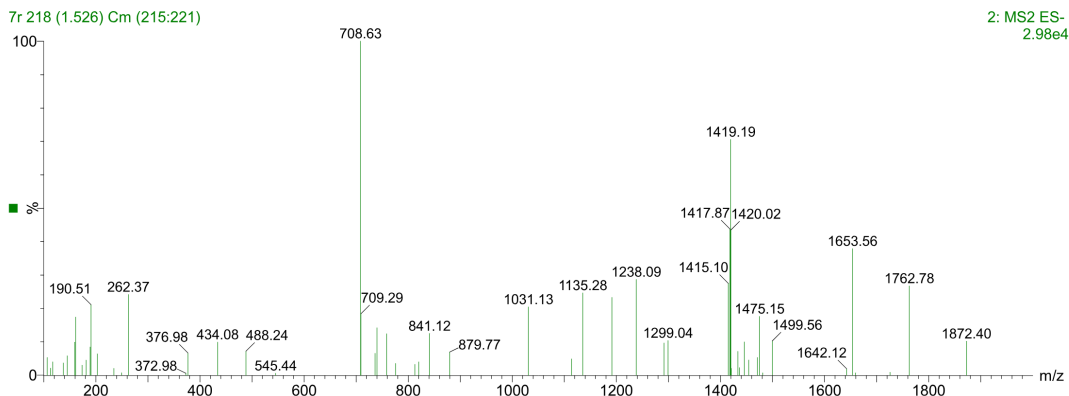
Lot Number: IWR-8833606-P
Client Name: Iron Within Research
Identity: www.ironwithinresearch.com

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

TB-500 (5mg) • Pubchem CID: 16132341
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: IWR-8833606-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:	BPC-157 + TB-500
Lot:	IWR-8833606-E
Appearance:	-

CAS:	BPC-157, TB-500
Formula:	N/A
Mol Weight:	N/A

Pubchem CID: N/A

Endotoxin Test

	Specification	Result	Scan to Validate:
Compound Test:	BPC-157 + TB-500	-	
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.com

Proudly Owned and Operated in the USA 



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

TESTED FOR

Iron Within Research

SAMPLE

TB-500 / BPC-157 — 20 mg

PASS

BATCH #

IWR-2607-
BPCTB20

PURITY

99.76%

MASS

22.51 mg

IDENTITY

Confirmed

COA #:

SBA-26-0029

Method:

Full QC Panel

Lot Number:

IWR-2607-BPCTB20

Analysis Date:

2026-08-02

Labeled Content:

20 mg

Date Received:

2026-07-29

Appearance:

White lyophilized
powder, intact seal



SCAN TO VERIFY



Identity



Purity



Endotoxins



Fentanyl Free



VIAL CAP

Gold

#C9A227

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity	TB-500 + BPC-157	All confirmed
Purity (HPLC, aggregate)	>= 98.0%	99.76%
Blend Composition	Report only	Quantified – see composition

Test	Specification	Result
Content (gross)	Report only	22.51 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.07 EU/mL
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.

BLEND COMPOSITION Mass basis, per-component reference standards

COMPONENT	AMOUNT	SHARE OF TOTAL	IDENTITY
TB-500	11.52 mg	51.18%	Confirmed
BPC-157	10.99 mg	48.82%	Confirmed

Each component is quantified on a mass basis against its own reference standard. Share of total will not match a component's area-percent in the chromatogram — different chromophores respond differently at the monitoring wavelength. Amounts are reported as measured; this certificate does not assess them against a declared formulation.

Kasey Malganius

Kasey Malganius
Lab Director
2026-08-02

COA #: **SBA-26-0029**
Access Code: **EHBAG2GL**
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.



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

TESTED FOR

Iron Within Research

SAMPLE

Ac-SDKP / TB-500 / BPC-157 — 10 mg

PASS

BATCH #

IWR-2607-
BPCTB10

PURITY

99.31%

MASS

11.48 mg

IDENTITY

Confirmed

COA #:

SBA-26-0030

Method:

Full QC Panel

Lot Number:

IWR-2607-BPCTB10

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

Gold

#C9A227

CLOSURE AS
RECEIVED

Test	Specification	Result
Identity	Ac-SDKP + TB-500 + BPC-157	All confirmed
Purity (HPLC, aggregate)	>= 98.0%	99.31%

Test	Specification	Result
Blend Composition	Report only	Quantified – see composition
Content (gross)	Report only	11.48 mg
Fentanyl Screen (LC-MS/MS)	Not detected	Not detected
Endotoxins (LAL)	Report Result	0.02 EU/mL
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.

BLEND COMPOSITION

Mass basis, per-component reference standards

COMPONENT	AMOUNT	SHARE OF TOTAL	IDENTITY
Ac-SDKP	3.82 mg	33.28%	Confirmed
TB-500	1.96 mg	17.07%	Confirmed
BPC-157	5.70 mg	49.65%	Confirmed

Each component is quantified on a mass basis against its own reference standard. Share of total will not match a component's area-percent in the chromatogram — different chromophores respond differently at the monitoring wavelength. Amounts are reported as measured; this certificate does not assess them against a declared formulation.

Kasey Malganius

Kasey Malganius
Lab Director
2026-08-02

COA #:SBA-26-0030

Access Code:YQ26KY8L

Analyst:R. Whitfield

Verify:summitbioanalytics.com/verify

Issued:2026-08-02

Lot Number: **IWR-7454331-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **04/21/2026**
 Analysis Conducted: **04/16/2026**
 Searchable via: **horizonanalytical.com**

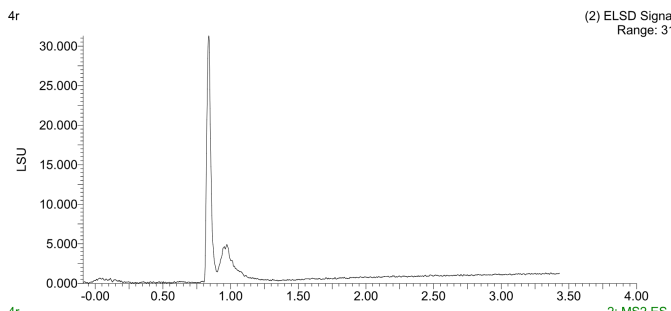
Compound:	BPC-157
Lot:	IWR-7454331-P
Appearance:	White Lyophilized Powder

CAS:	137525-51-0
Formula:	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Mol Weight:	~1419.5 g/mol

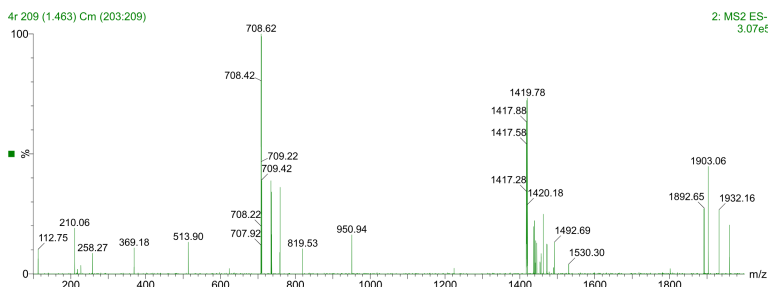
Pubchem CID: 108101

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

	Specification	Result	Scan to Validate:
Compound Test:	BPC-157	BPC-157	
Quantity:	5mg	9.90	
Purity:	≥ 98%	99.36	



UPLC



MS

Aleksey Yevtodiyenko PhD
 Research and Formulation Chemist

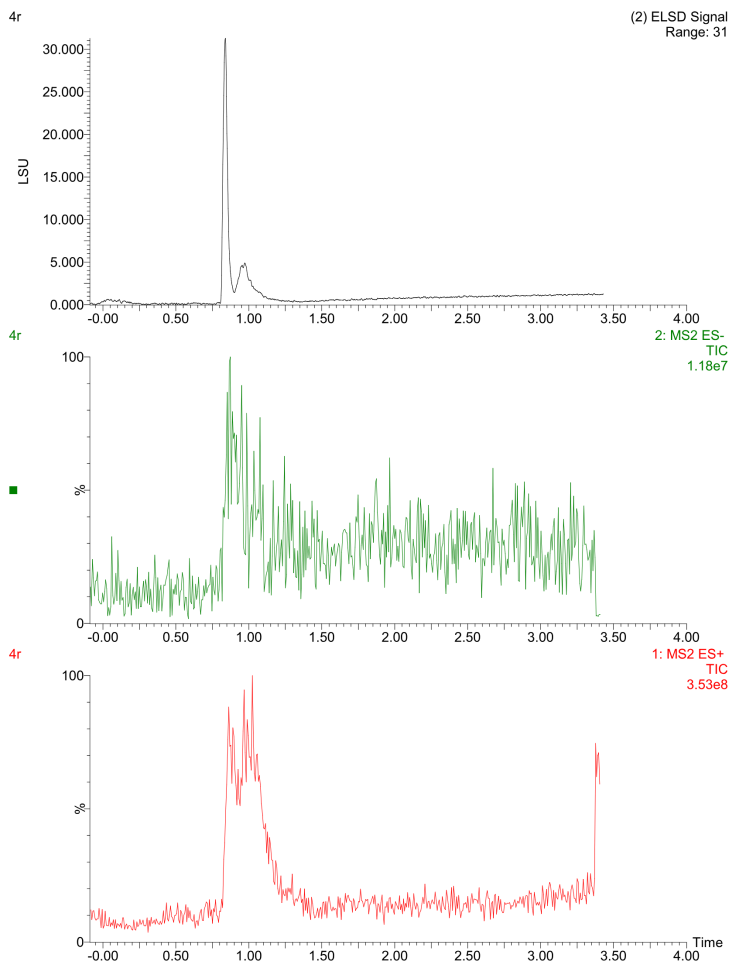


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

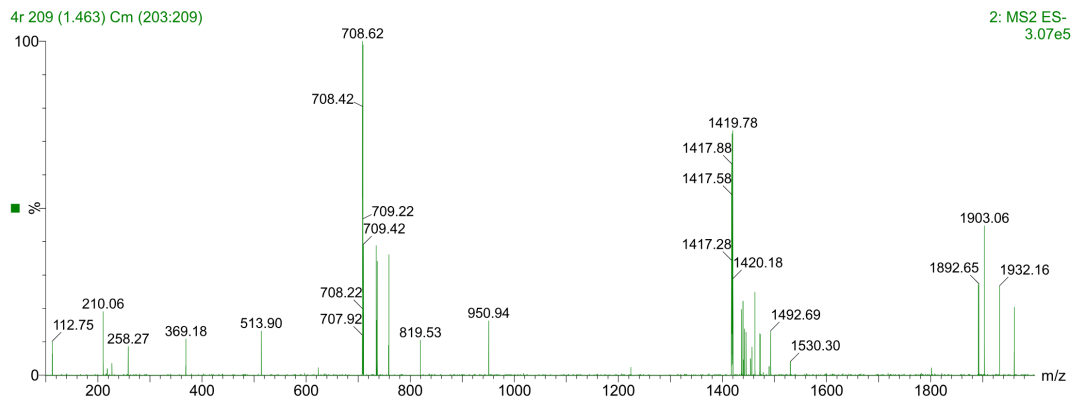
Lot Number: IWR-7454331-P
 Client Name: Iron Within Research
 Identity: www.ironwithinresearch.com

Received Date: 04/21/2026
 Analysis Conducted: 04/16/2026
 Searchable via: horizonanalytical.com

BPC-157 (5mg) • Pubchem CID: 108101
 Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)



Lot Number: **IWR-7454331-P**
 Client Name: **Iron Within Research**
 Identity: **www.ironwithinresearch.com**

Received Date: **04/21/2026**
 Analysis Conducted: **04/16/2026**
 Searchable via: **horizonanalytical.com**

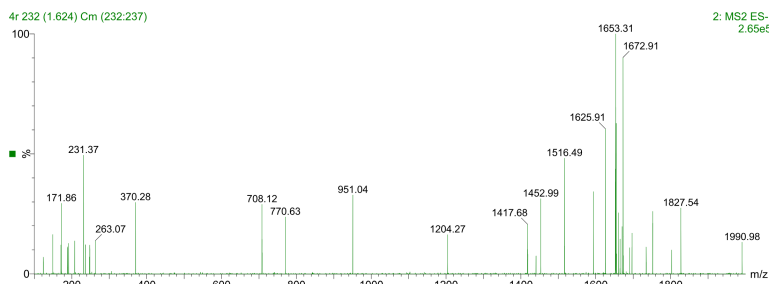
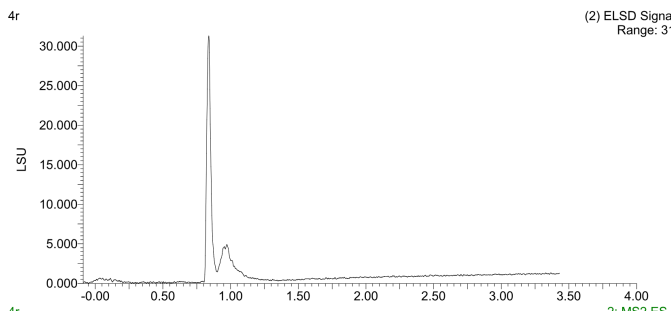
Compound:	TB-500
Lot:	IWR-7454331-P
Appearance:	White Lyophilized Powder

CAS:	77591-33-4
Formula:	C ₂₁₂ H ₃₅₀ N ₅₆ O ₇₈ S
Mol Weight:	~4963 g/mol

Pubchem CID: 16132341

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

	Specification	Result	Scan to Validate:
Compound Test:	TB-500	TB-500	
Quantity:	5mg	9.90	
Purity:	≥ 98%	99.19%	



Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

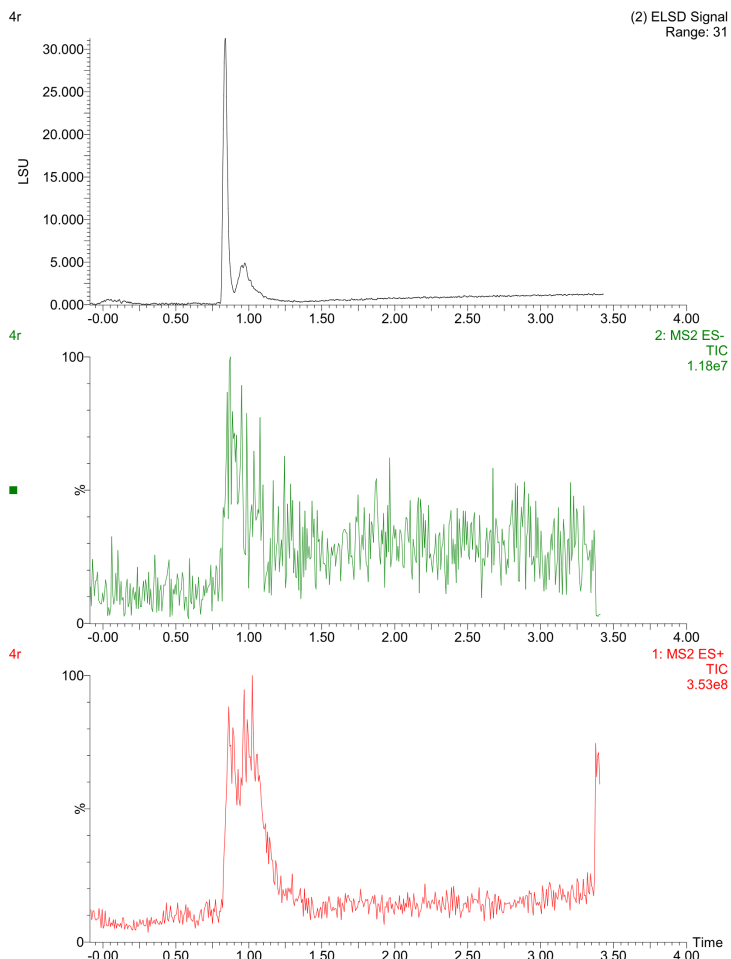


This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

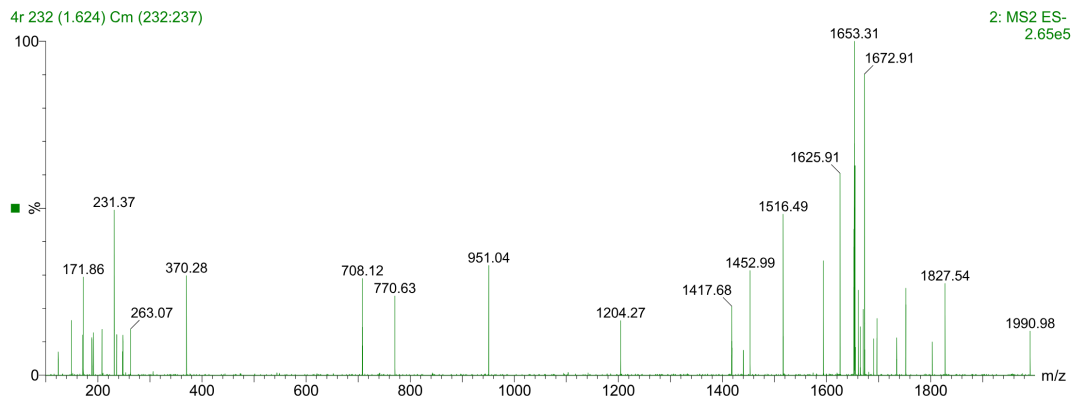
Lot Number: IWR-7454331-P
Client Name: Iron Within Research
Identity: www.ironwithinresearch.com

Received Date: 04/21/2026
Analysis Conducted: 04/16/2026
Searchable via: horizonanalytical.com

TB-500 (5mg) • Pubchem CID: 16132341
Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)





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Searchable via: FreedomDiagnosticsTesting.com

Product	BPC 10mg + TB 10mg
Net Peptide Content	BPC-157 – 11.15 mg Thymosin Beta-4 – 11.06 mg
Identity	BPC-157/Thymosin Beta-4

Certificate of Analysis

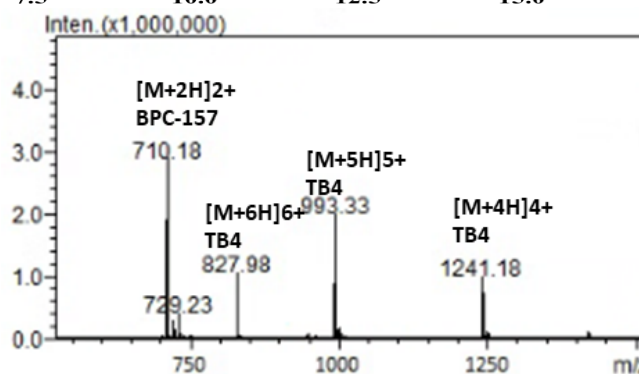
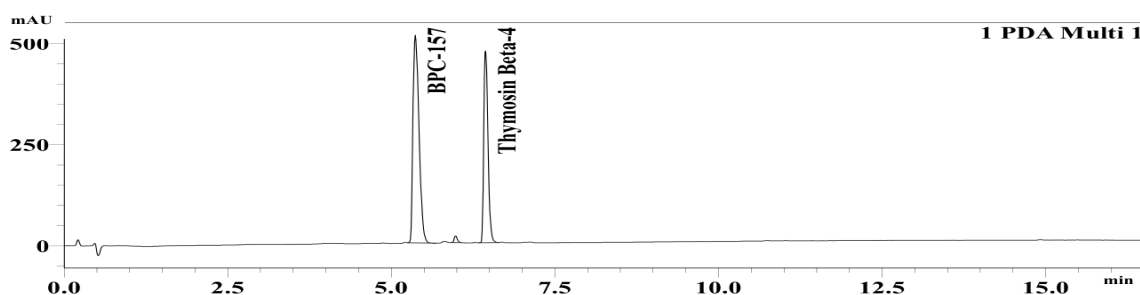
Accession Number	2602200198
Client	Iron Within Nutrition LLC
Search Code	Iron2602200198

Received Date:	02/20/2026
Reported Date:	2/22/2026

Lot	Purple Cap
Purity	99.009%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
BPC-157/Thymosin Beta-4	99.009%



Stephen Schmidt

Stephen Schmidt
Principal Chemist

COA: 2602200198

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.

Searchable via: FreedomDiagnosticsTesting.com

Contact at: Admin@FreedomDiagnostics.net