

Client: Bluum Peptides
info@bluumpeptides.com

Sample received: **10/17/25**
Analysis conducted: **10/24/25**

Compound:	BPC 157	CAS:	137525-51-0
Batch/Lot #:	711485	Formula:	C62H98N16O22
Appearance:	Blue lyophilized powder	Mol Wt:	1419.5 g/mol

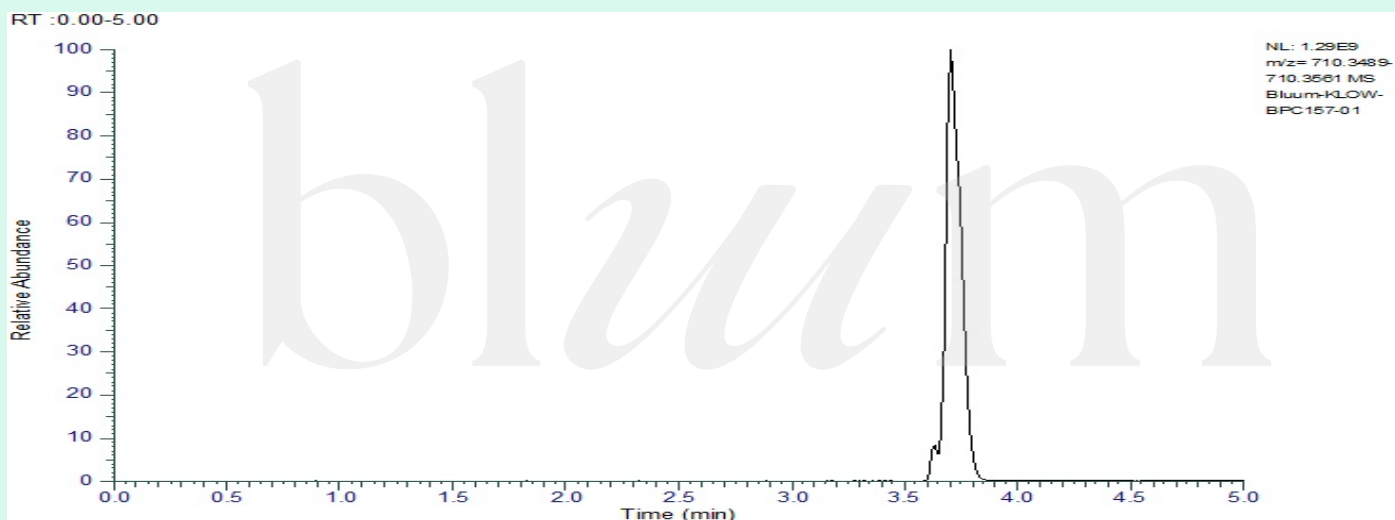
Method: Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

Pubchem CID: 9941957

[BPC 157](#) | [C62H98N16O22](#) | [CID 9941957 - PubChem](#)

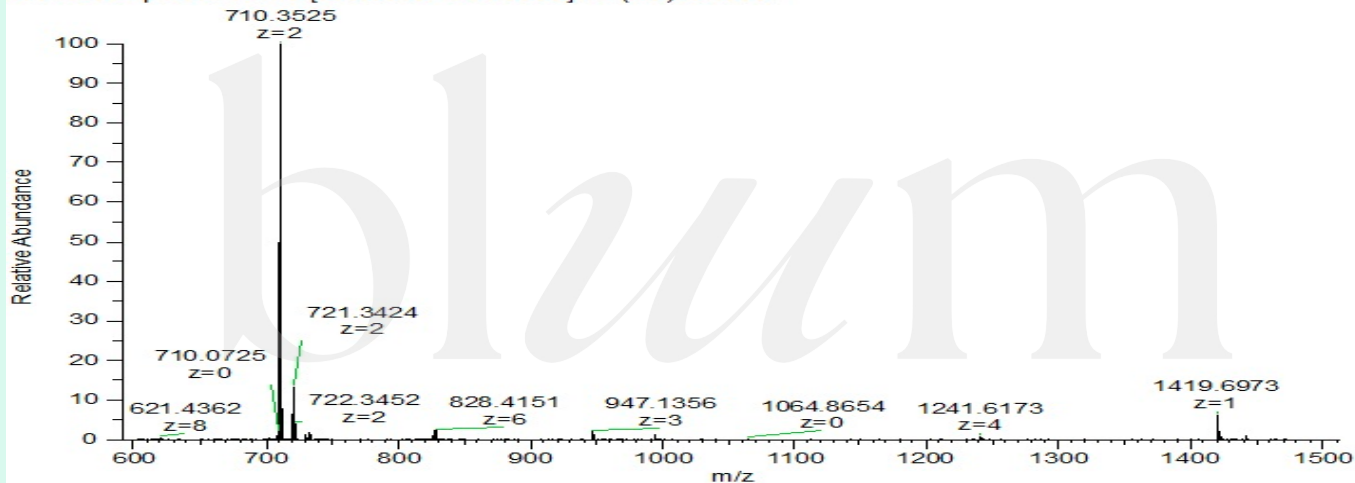
	Specification	Result	
Identity Test:	BPC 157	BPC 157	Conforms
Quantity:	10 mg $\pm$ 15%	11.3 mg	Conforms
Purity:	>99%	99.78%	Conforms

LC-MS Chromatogram: Retention Time and Peak Analysis



Full Scan Mass Spectrometry Analysis

Bluum-KLOW-BPC157-01 #425 RT: 3.70 AV: 1 NL: 1.24E9
T: FTMS + p ESI Full ms [600.0000-1500.0000] IIT (ms): 0.1080



Analysis Performed by

Dr. Roberto Marin
Analytical Chemist
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Roberto Marin

COA #11205
Security Key **BLUUMPEPO**
bioregen.com/verify



Client: Bluum Peptides
info@bluumpeptides.com

Sample received: **10/17/25**
Analysis conducted: **10/24/25**

Compound:	Thymosin Beta 4	CAS:	77591-33-4
Batch/Lot #:	711485	Formula:	CC212H350N56O78S
Appearance:	Blue lyophilized powder	Mol Wt:	4963.0 g/mol

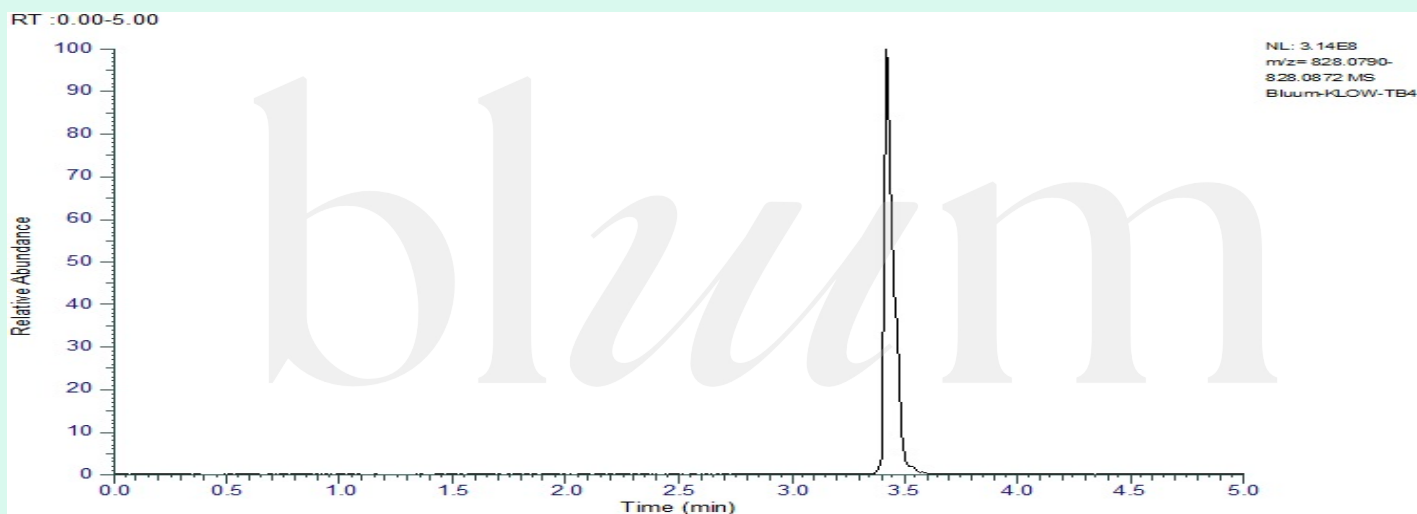
Method: Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

Pubchem CID: 45382195

TB-4 | CC212H350N56O78S | CID 45382195 - PubChem

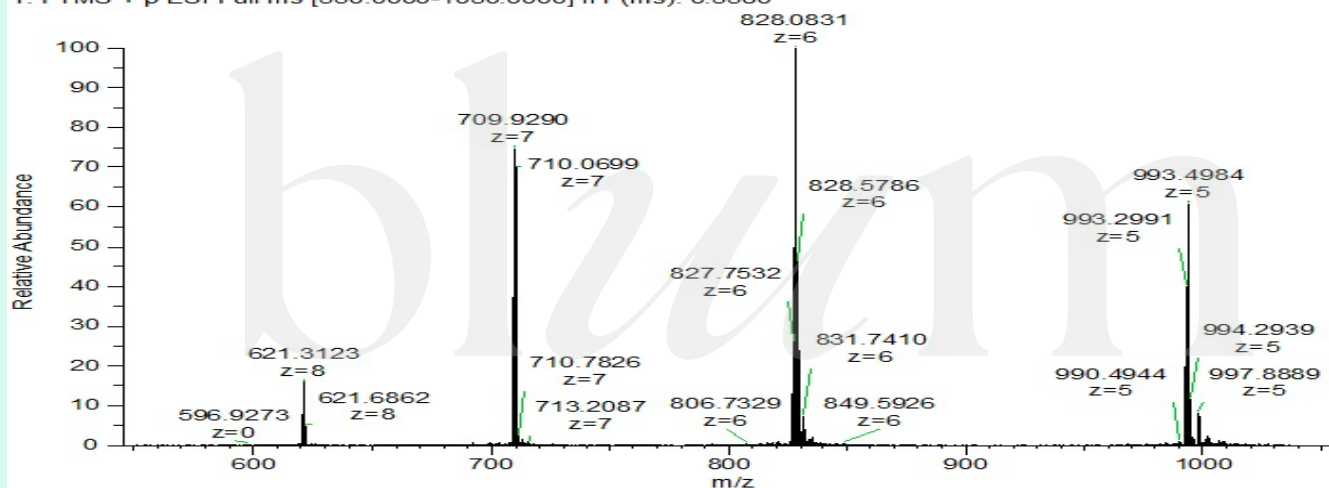
	Specification	Result	
Identity Test:	Thymosin Beta 4	Thymosin Beta 4	Conforms
Quantity:	10 mg $\pm$ 15%	8.6 mg	Conforms
Purity:	>99%	99.93%	Conforms

LC-MS Chromatogram: Retention Time and Peak Analysis



Full Scan Mass Spectrometry Analysis

Bluum-KLOW-TB4 #394 RT: 3.43 AV: 1 NL: 2.96E8
T: FTMS + p ESI Full ms [550.0000-1050.0000] IIT (ms): 0.5580



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Client: Bluum Peptides
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Sample received: **10/17/25**
Analysis conducted: **10/24/25**

Compound:	GHK-Cu	CAS:	49557-75-7
Batch/Lot #:	711485	Formula:	C14H24N6O4
Appearance:	Blue lyophilized powder	Mol Wt:	340.38 g/mol

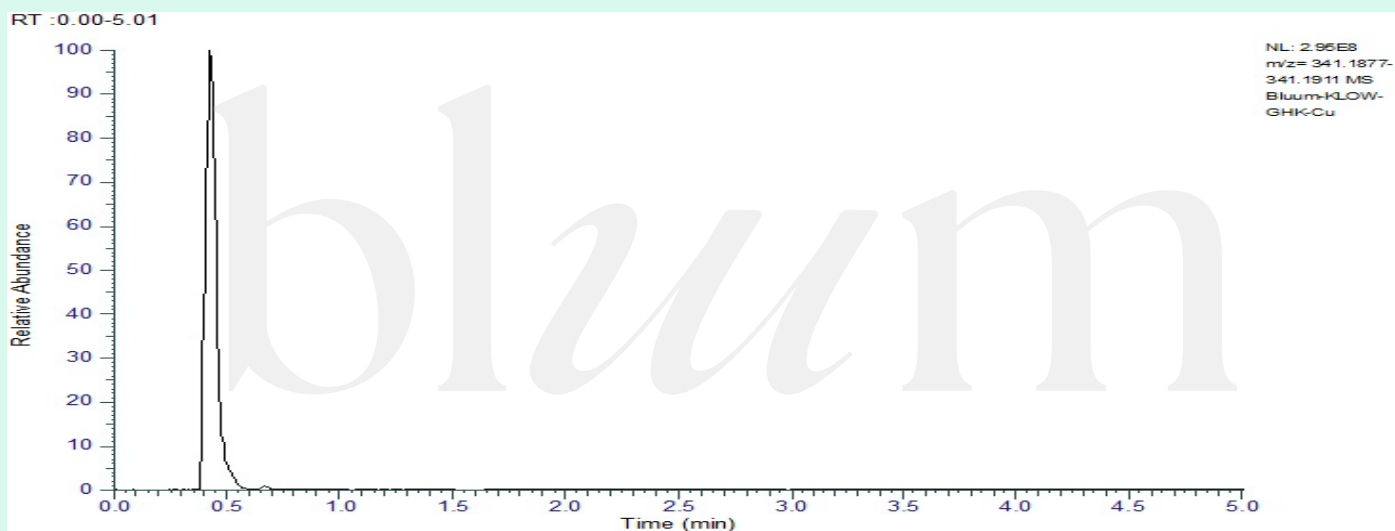
Method: Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

Pubchem CID: 342538

GHK-Cu | C14H24N6O4Cu | CID 342538

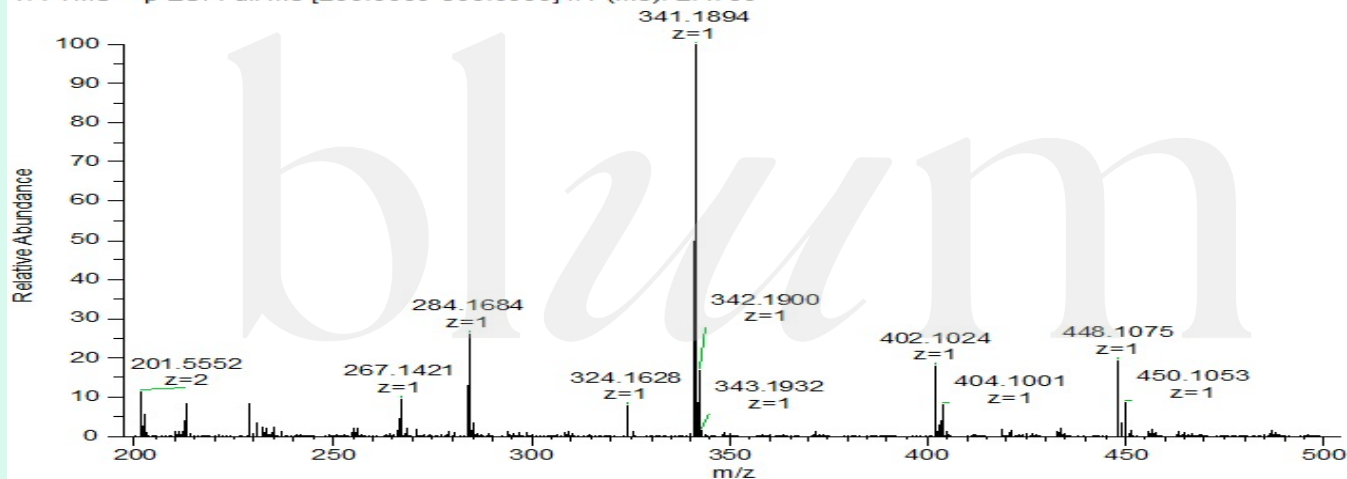
	Specification	Result	
Identity Test:	GHK-Cu	GHK-Cu	Conforms
Quantity:	50 mg $\pm$ 15%	45.3 mg	Conforms
Purity:	>99%	99.82%	Conforms

LC-MS Chromatogram: Retention Time and Peak Analysis



Full Scan Mass Spectrometry Analysis

Bluum-KLOW-GHK-Cu #55 RT: 0.43 AV: 1 NL: 2.94E8
T: FTMS + p ESI Full ms [200.0000-500.0000] IIT (ms): 2.4730



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Client: Bluum Peptides
info@bluumpeptides.com

Sample received: **10/17/25**
Analysis conducted: **10/24/25**

Compound:	KPV	CAS:	67727-97-3
Batch/Lot #:	711485	Formula:	C16H30N4O4
Appearance:	Blue lyophilized powder	Mol Wt:	342.43 g/mol

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

Pubchem CID: 125672

KPV | C16H30N4O4 | CID 125672

	Specification	Result	
Identity Test:	KPV	KPV	Conforms
Quantity:	10 mg $\pm$ 15%	8.7 mg	Conforms
Purity:	>99%	99.90%	Conforms

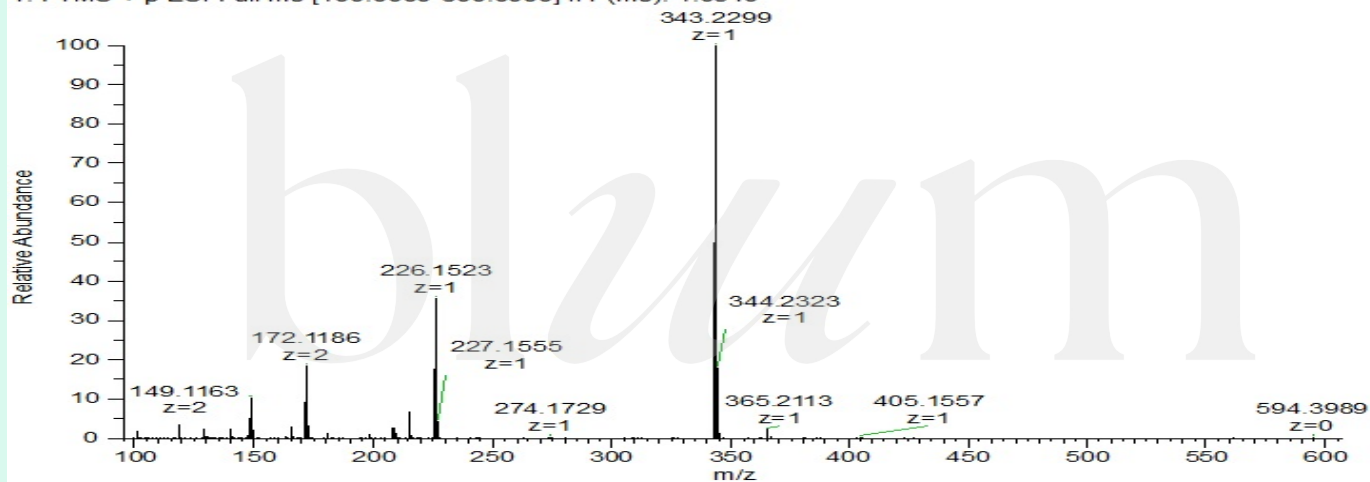
LC-MS Chromatogram: Retention Time and Peak Analysis



Full Scan Mass Spectrometry Analysis

Bluum-KLOW-KPV #131 RT: 1.14 AV: 1 NL: 7.75E8

T: FTMS + p ESI Full ms [100.0000-600.0000] IIT (ms): 1.0540



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COA #11205
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