

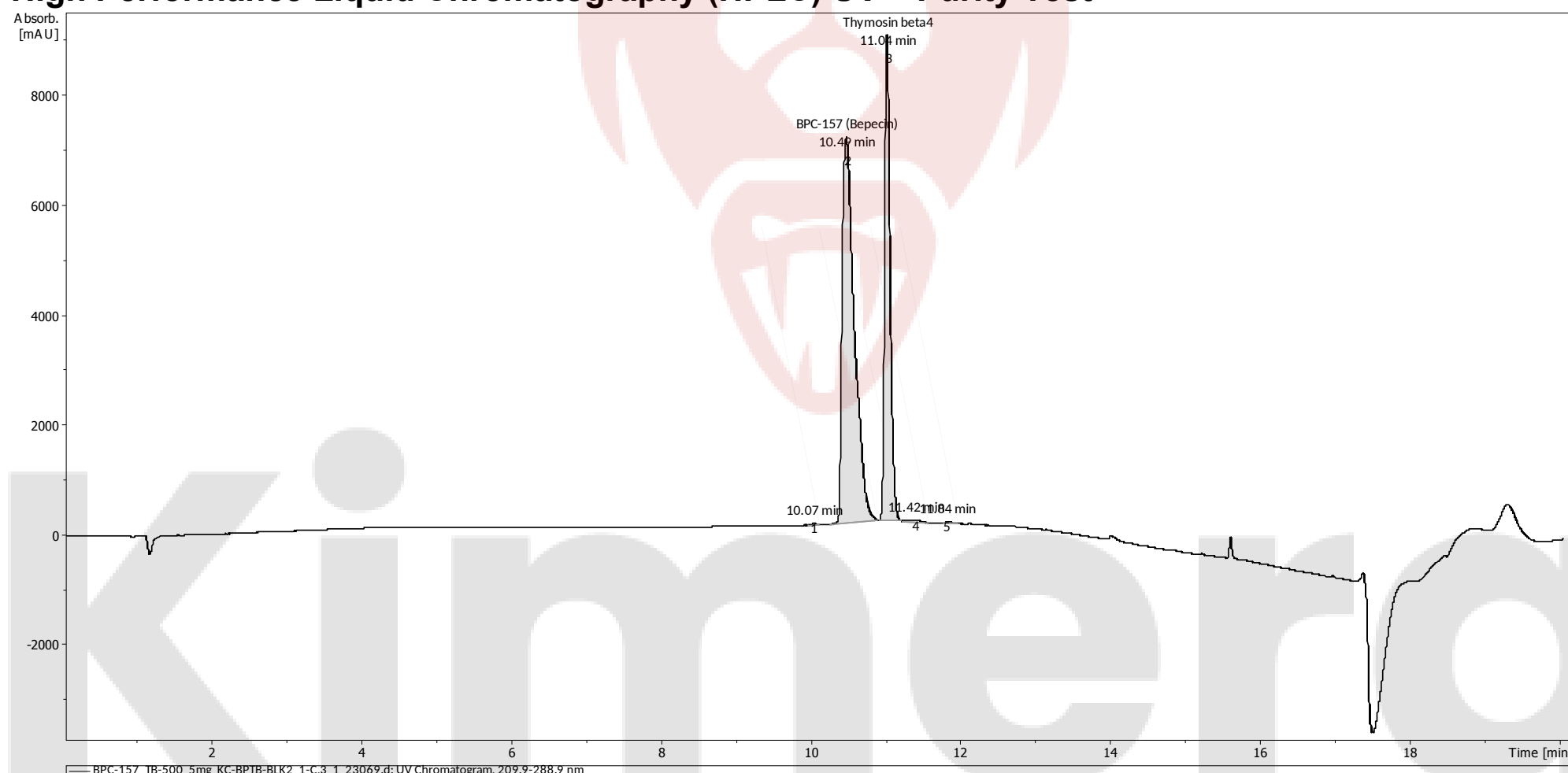


Certificate of Analysis

BPC-157, Thymosin beta4

Compound : BPC-157, Thymosin beta4 **Client** : Kimera Chems
Lot number : KC-BPTB-BLK2 Kimerachems.co
Analysis date : 2026-06-15
Purity % : 99.47%
BPC-157 : 6.21 mg
Thymosin beta4 : 6.22 mg
Method : HPLC-UV-MS

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST			Number of detected peaks: 5	
	Time (min)	Area	%Area	
1	10.07	8.64E+01	0.07	
2	10.49	7.94E+04	63.45	BPC-157
3	11.04	4.51E+04	36.02	Thymosin beta4
4	11.42	4.11E+02	0.33	
5	11.84	1.68E+02	0.13	

Combined Purity 99.47

Quantification by HPLC-UV

BPC-157 measured quantity : 6.21 mg/vial

Thymosin beta4 measured quantity : 6.22 mg/vial

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com



2026-06-22

BPC-157, Thymosin beta4

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

BPC-157 PubChem CID: 9941957

<https://pubchem.ncbi.nlm.nih.gov/compound/9941957>

Expected monoisotopic mass :	1418.70	Da
Measured monoisotopic mass :	1418.77	Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



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2026-06-22

BPC-157, Thymosin beta4

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Thymosin beta4 PubChem CID: 16132341

<https://pubchem.ncbi.nlm.nih.gov/compound/16132341>

Expected monoisotopic mass : 4960.48 Da

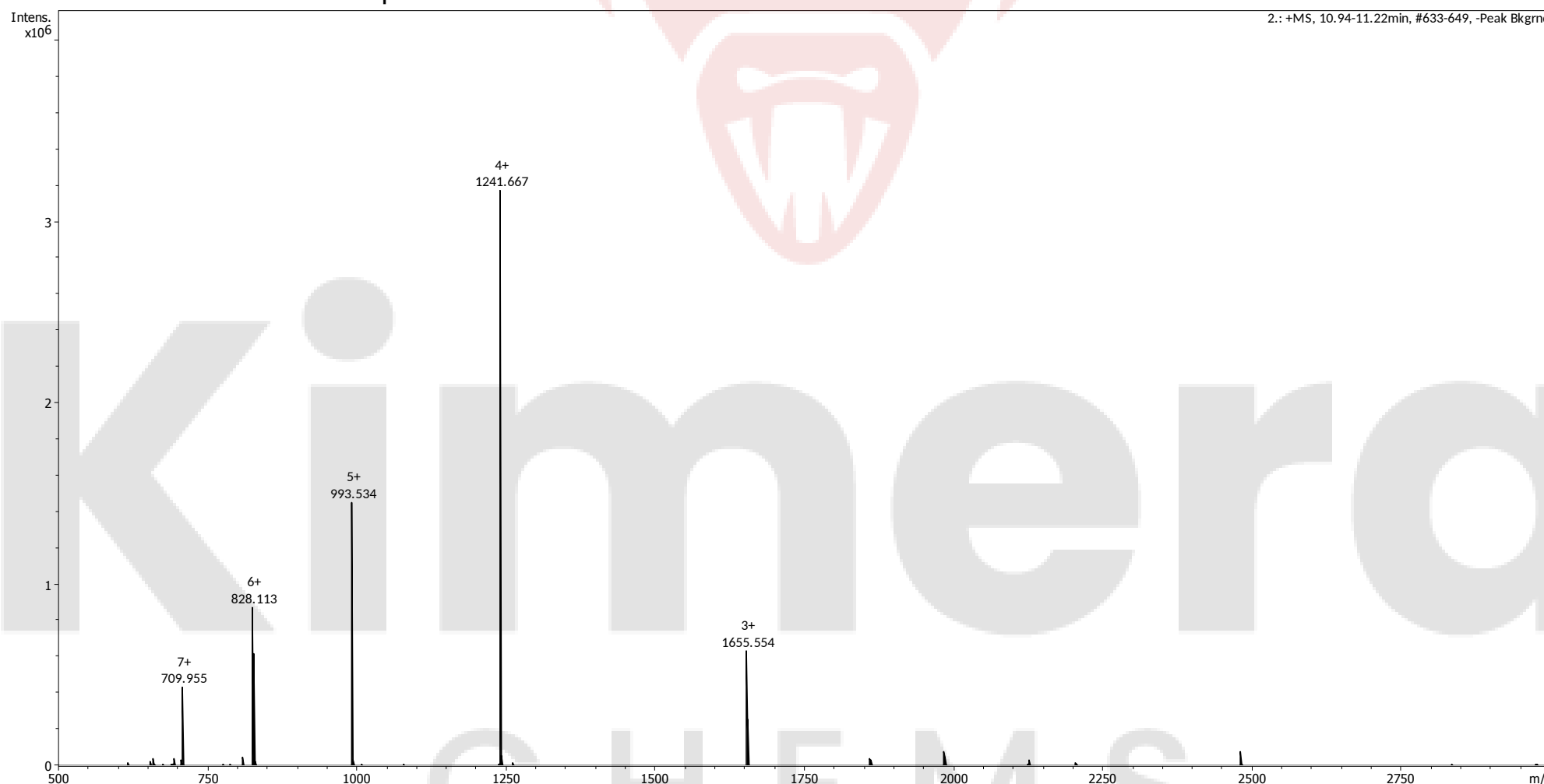
Measured monoisotopic mass : 4960.67 Da

Molecular weight confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



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2026-06-22

Endotoxin Quantitative Kinetic Turbidimetric Assay Report of Analysis

Product Information

Client: Kimera Chems

Product Tested: BPC-157/TB00 5/5mg

Lot Number: KC-BPTB-BLK2

Vials Tested: 2

Test Performed: PYROSTAR ES-F/Plate Kinetic Turbidimetric Assay

Test Date: 06/19/2026

Reagent Information

Lysate Product #: WPEPK4-50015

Lysate Lot #: 122412A

Lysate Exp: 12/01/2026

Lysate Sensitivity: 0.01 – 10 EU/mL

Control Standard Endotoxin (CSE) Product #: WPEPK4-50015

CSE Lot #: G-07USA

CSE Exp: 09/01/2029

KTA Test Results

Solution	Endotoxin Concentration/Added to	Concentration (EU/ml) / % Recovery
Sample/Product Solution	None (EU/mL)	A: <0.079, B: <0.079 Average: <0.079
Positive Product Control (PPC)	1.0 EU/mL in Product	A: 1.062, B: 1.149 Percent Recovery: 110.557%
Negative Control	None (EU/mL)	A: <0.079, B: <0.079

Interpretation: This test is considered valid when: the positive product control % recovery is between 50% and 200%, and both negative control concentrations do not exceed the limit of the blank value required by the lysate reagent employed (0.079 EU/ml). When sample concentrations match the negative control, samples are considered free of endotoxin.

Sample resuspended in 2 ml endotoxin free water for testing. **Average EU/ml in test solution: <0.079**

TOTAL Average Endotoxin EU in Sample: NEGATIVE

Analyst Signature: _____

