MZ Biolabs
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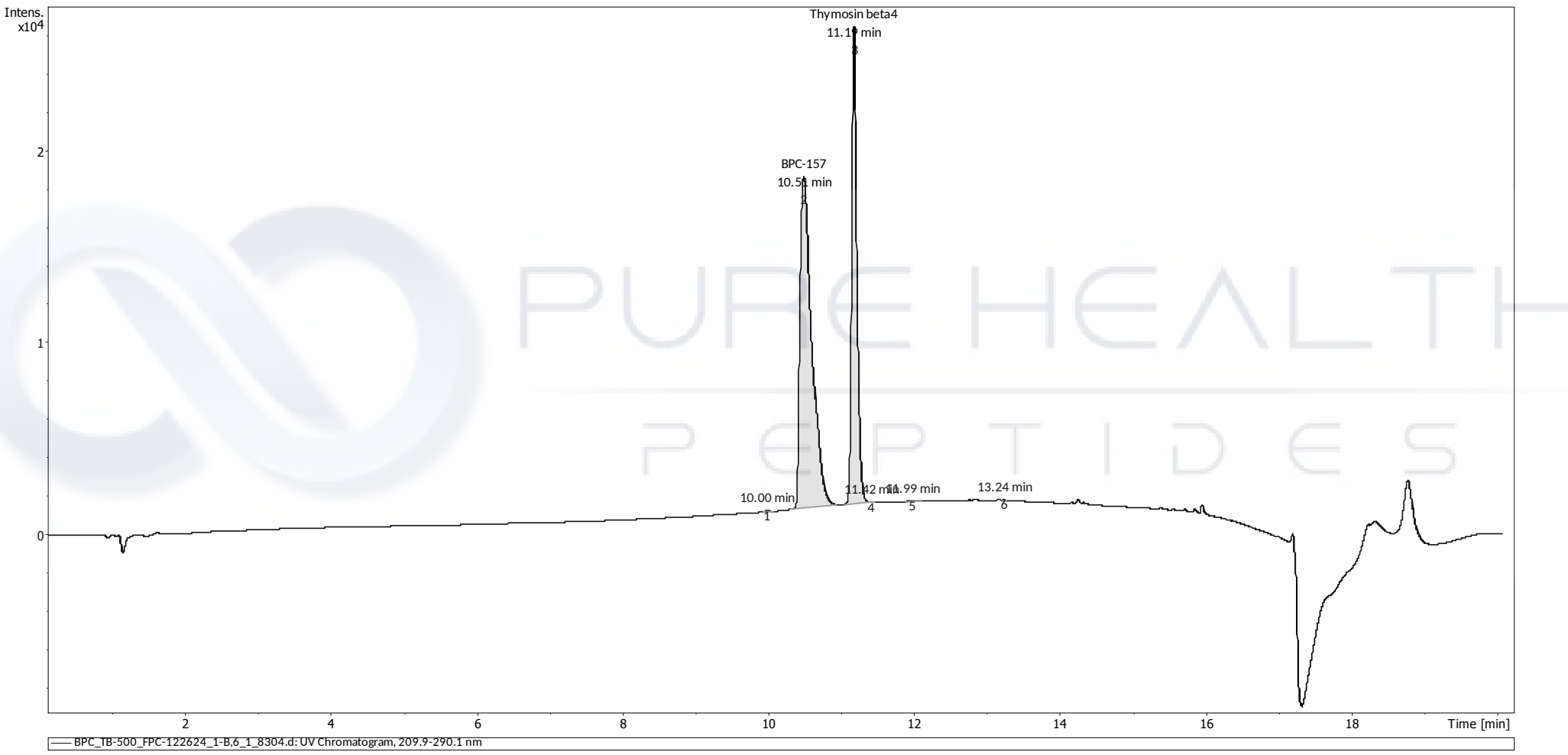
Certificate of Analysis

BPC-157 + Thymosin beta4

Compound	: **BPC-157, Thymosin beta4**	**Client :**	**Pure Health Peptides, LLC**
Lot number	: **FPC-122624**		**http://www.purehealthpeptides.com/**
Analysis date	: **2025-01-14**		
Purity %	: **99.79%**		
Method	: **HPLC-UV-MS**		

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST	Number of detected peaks: 6			
	Time (min)	Area	%Area	
1	10.00	3.29E+02	0.10	
2	**10.51**	**1.95E+05**	**61.26**	**BPC-157**
3	**11.19**	**1.23E+05**	**38.53**	**Thymosin beta4**
4	11.42	6.98E+01	0.02	
5	11.99	2.17E+02	0.07	
6	13.24	5.38E+01	0.02	
		Overall Purity :	**99.79**	

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

2025-01-24

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.

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Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

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

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.

BPC-157
PubChem CID: 9941957
https://pubchem.ncbi.nlm.nih.gov/compound/9941957

Expected monoisotopic mass :	1418.70	Da
Measured monoisotopic mass :	1418.72	Da

Molecular weight confirmed

BPC-157 recorded MS spectrum

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Thymosin beta4

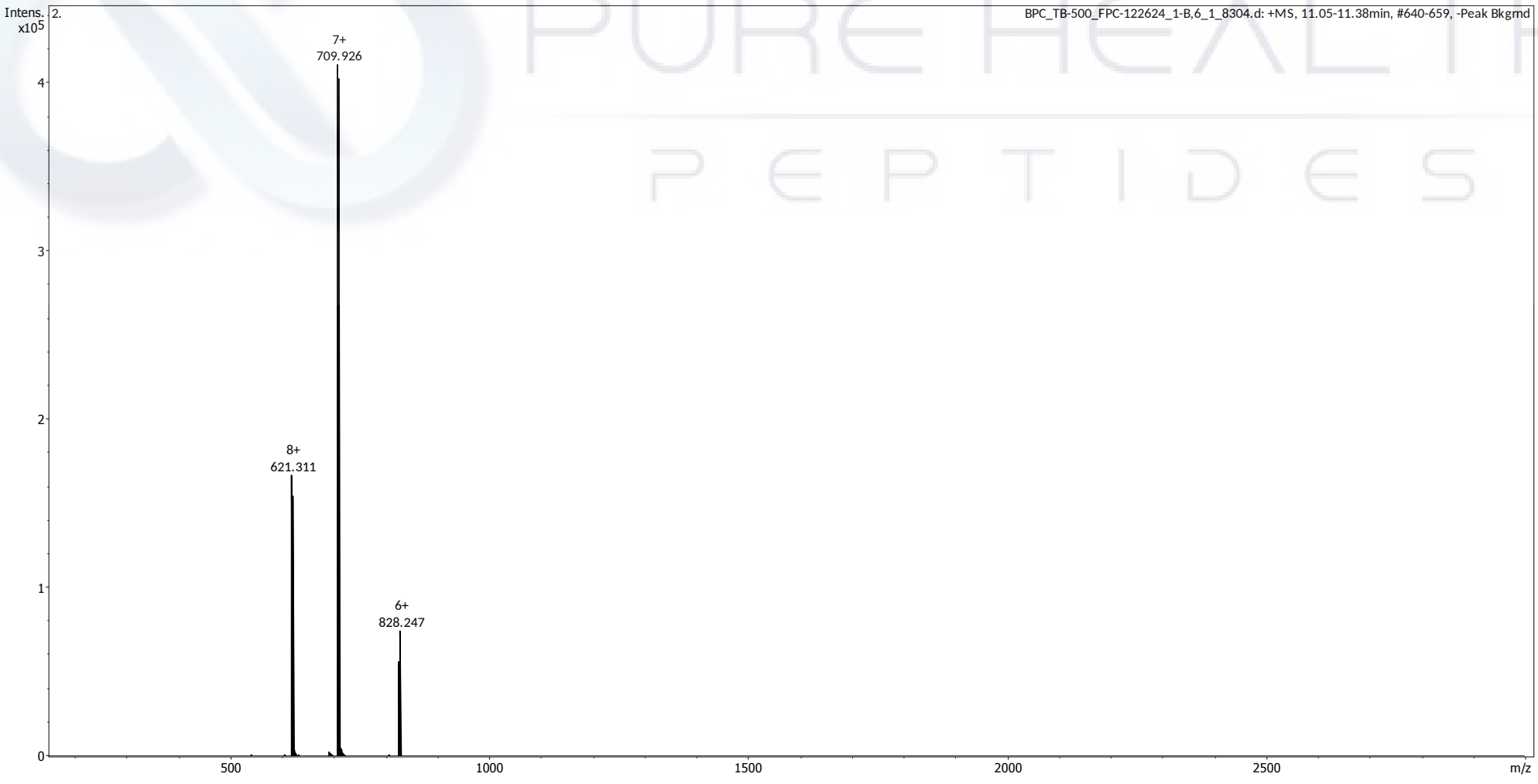
PubChem CID: 16132341
https://pubchem.ncbi.nlm.nih.gov/compound/161323

Thymosin beta4

Expected monoisotopic mass :	4960.48	Da
Measured monoisotopic mass :	4960.48	Da

Molecular weight confirmed

Thymosin beta4 Recorded MS spectrum



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