Certificate of Analysis

Assession Number	2506060043
Client	Peptide Pro
Search Code	pept2506060043

Received Date:	6/6/2025
Reported Date:	6/10/2025

Proudly Owned and Operated in the USA

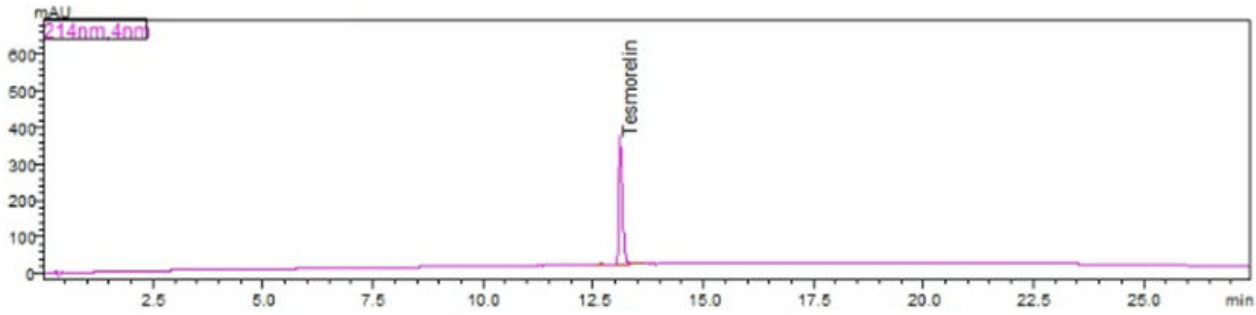
Searchable via: FreedomDiagnosticsTesting.com

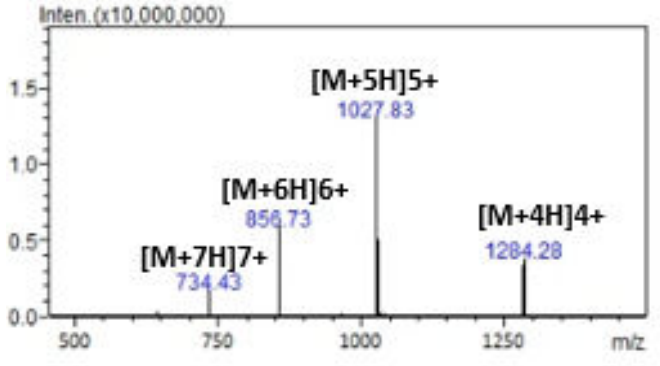
Product	Tesamorelin 5mg
Net Peptide Content	5.274 mg
Identity	Tesamorelin

Lot	TESA-050125
Purity	99.41%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Tesamorelin	**99.41%**





Stephen Schmidt

Stephen Schmidt

Principle Chemist

COA: 2506060043

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.

Certificate of Analysis

FREEDOM DIAGNOSTICS

Proudly Owned and Operated in the USA

Searchable via: FreedomDiagnosticsTesting.com

Assession Number	2506060044
Client	Peptide Pro
Search Code	pept2506060044

Received Date:	6/6/2025
Reported Date:	6/9/2025

Product	Tesamorelin 5mg

Lot	TESA-050125

All analyses are conducted for research purposes and performed in duplicate in accordance with USP <85> guidelines

Endotoxin Threshold		Result
Replicate 1	**≤ 0.05 EU/mL**	**PASS**
Replicate 2	**≤ 0.05 EU/mL**	**PASS**

Stephen Schmidt

Stephen Schmidt
Principle Chemist

COA: 2506060044

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.

MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
contact@mzbiolabs.com
www.mzbiolabs.com

Certificate of Analysis

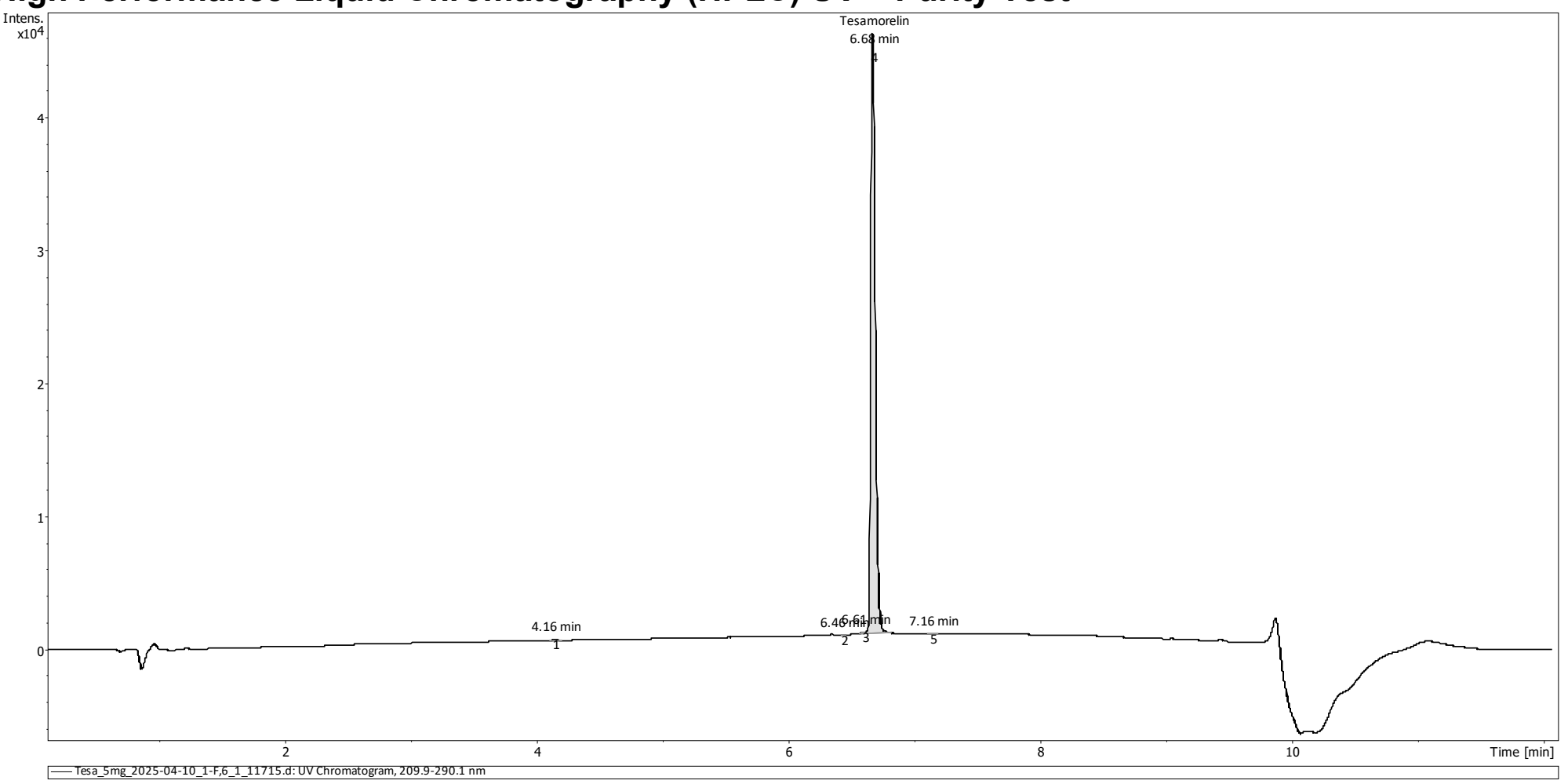
Tesamorelin 5 mg

Compound : **Tesamorelin**
Lot number : **2025-04-10**
Analysis date : **2025-04-28**
Purity % : **99.76%**
Method : **HPLC-UV-MS**

Client : **Peptide Pro**

PubChem CID: 16137828
https://pubchem.ncbi.nlm.nih.gov/compound/16137828

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST Number of detected peaks: 5

	Time (min)	Area	%Area	
1	4.16	1.71E+02	0.15	
2	6.46	2.70E+01	0.02	
3	6.61	2.63E+01	0.02	
4	**6.68**	**1.15E+05**	**99.76**	**Tesamorelin**
5	7.16	5.76E+01	0.05	

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

2025-05-08

MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
contact@mzbiolabs.com
www.mzbiolabs.com

Tesamorelin 5 mg

PubChem CID: 16137828
https://pubchem.ncbi.nlm.nih.gov/compound/16137828

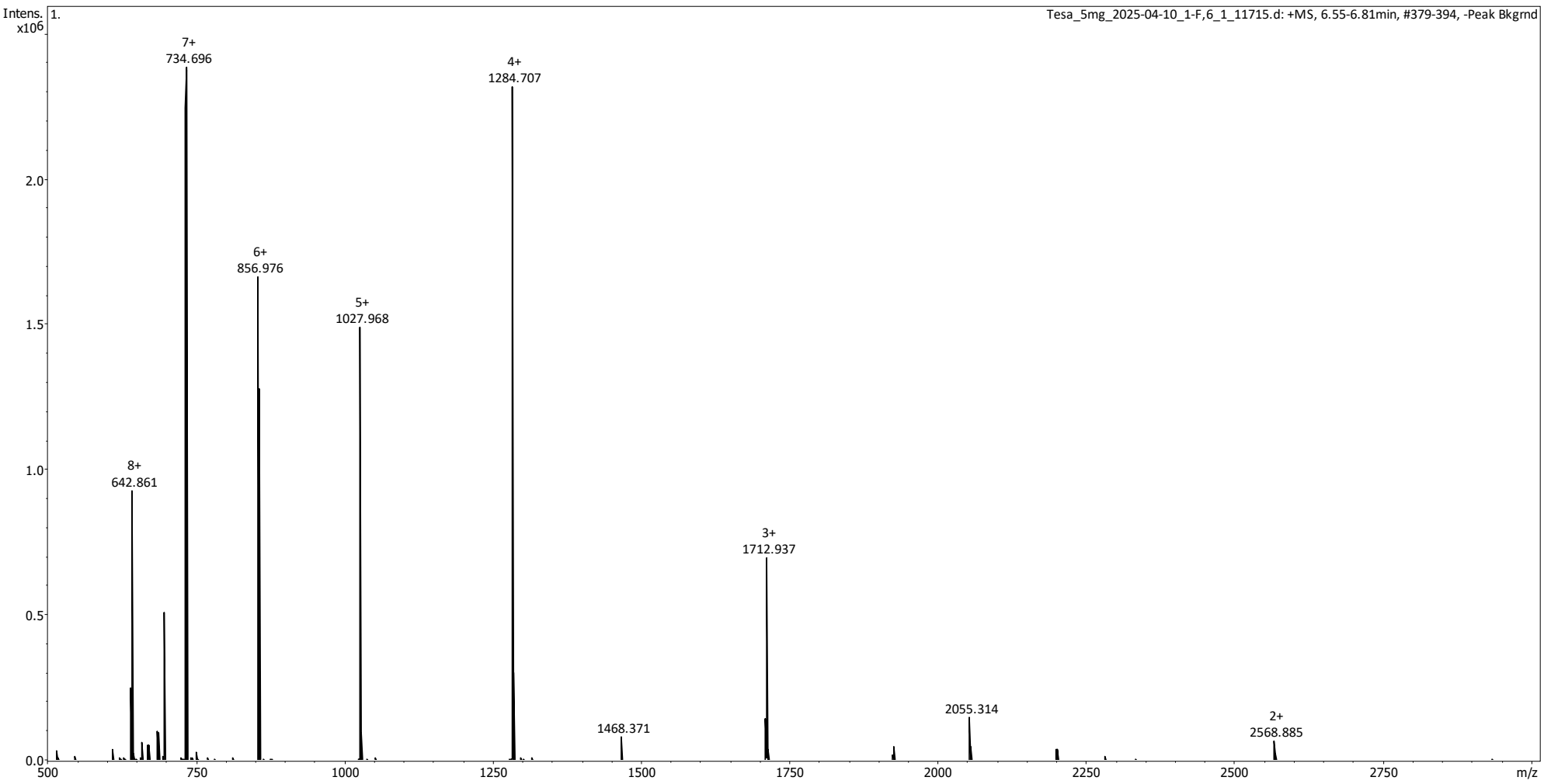
Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum
Expected monoisotopic mass : 5132.72 Da
Measured monoisotopic mass : 5132.87 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



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

2025-05-08