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Searchable via: [FreedomDiagnosticsTesting.com](https://freedomdiagnostics.com/testing)

Product	Ipamorelin 5mg
Net Peptide Content	4.918 mg
Identity	Ipamorelin

Certificate of Analysis

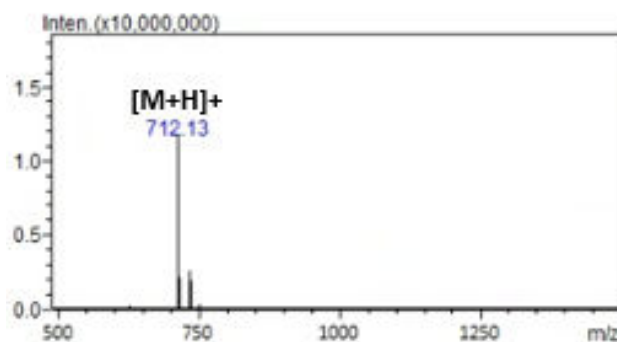
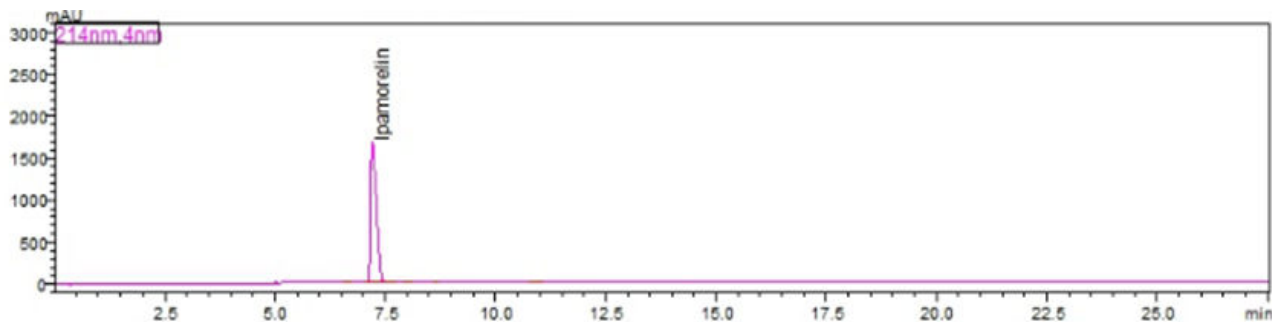
Assession Number	2506060053
Client	Peptide Pro
Search Code	pept2506060053

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

Lot	IPA-050125
Purity	99.67%
Appearance	White Lyophilized Powder

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

Mass Identification	Result
Ipamorelin	99.67%



Stephen Schmidt

Stephen Schmidt
Principle Chemist

COA: 2506060053

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.

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Contact at: Admin@FreedomDiagnostics.net



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Product	Iпамorelin 5mg
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Certificate of Analysis

Assession Number	2506060054
Client	Peptide Pro
Search Code	pept2506060054

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

Lot	IPA-050125
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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

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Principle Chemist

COA: 2506060054

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Certificate of Analysis

Ipamorelin 5 mg

Aib-His-D-2-Nal-D-Phe-Lys-NH₂

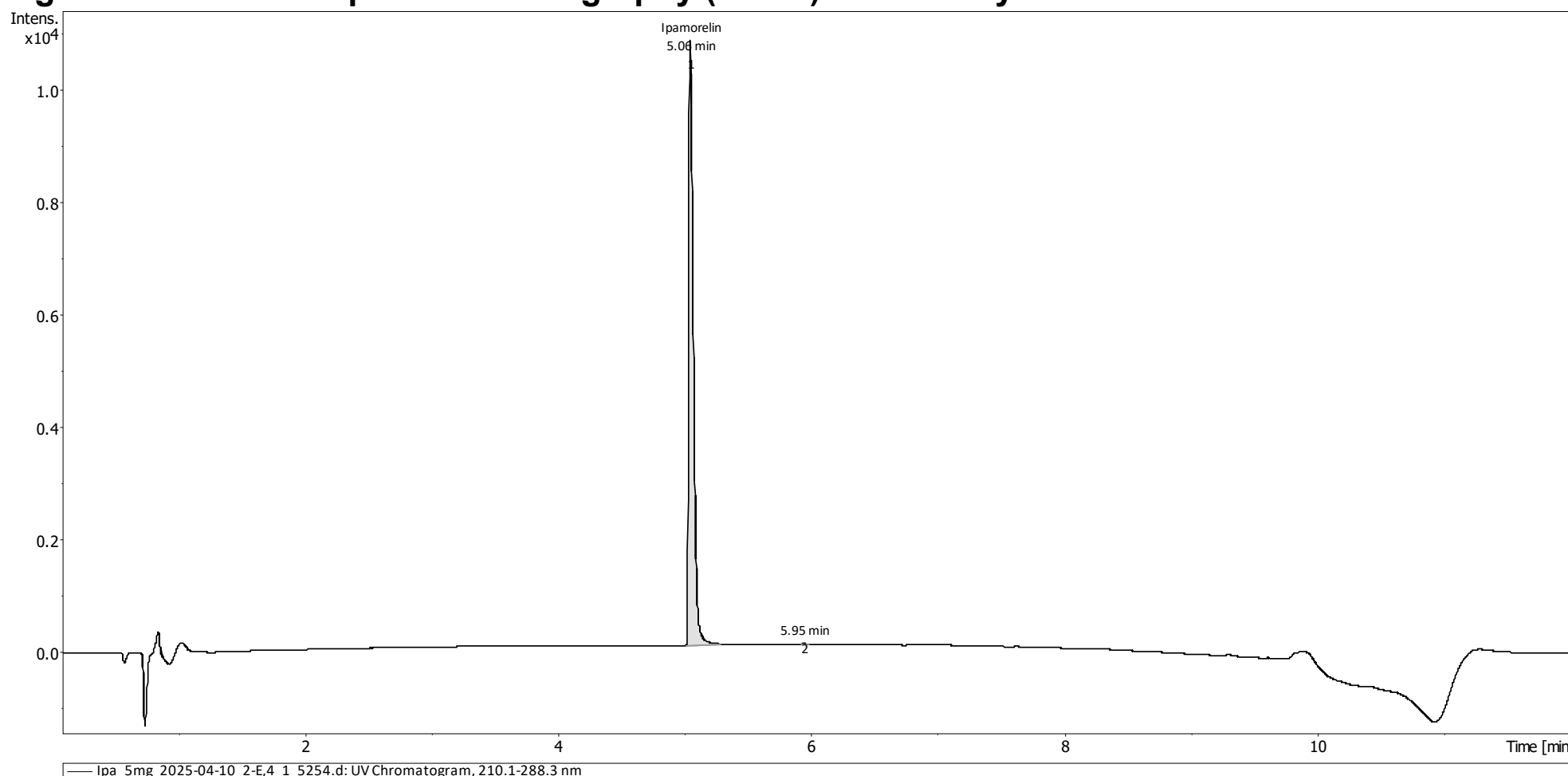
Compound : Ipamorelin
Lot number : 2025-04-10
Analysis date : 2025-04-29
Purity % : 99.86%
Method : HPLC-UV-MS

Client : Peptide Pro

PubChem CID: 9831659

<https://pubchem.ncbi.nlm.nih.gov/compound/9831659>

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 2		
	Time (min)	Area	%Area	
1	5.06	2.82E+04	99.86	Ipamorelin
2	5.95	3.92E+01	0.14	

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



2025-05-08

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.

Ipamorelin 5 mg

Aib-His-D-2-Nal-D-Phe-Lys-NH₂

PubChem CID: 9831659

<https://pubchem.ncbi.nlm.nih.gov/compound/9831659>

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

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

Expected monoisotopic mass : 711.38 Da

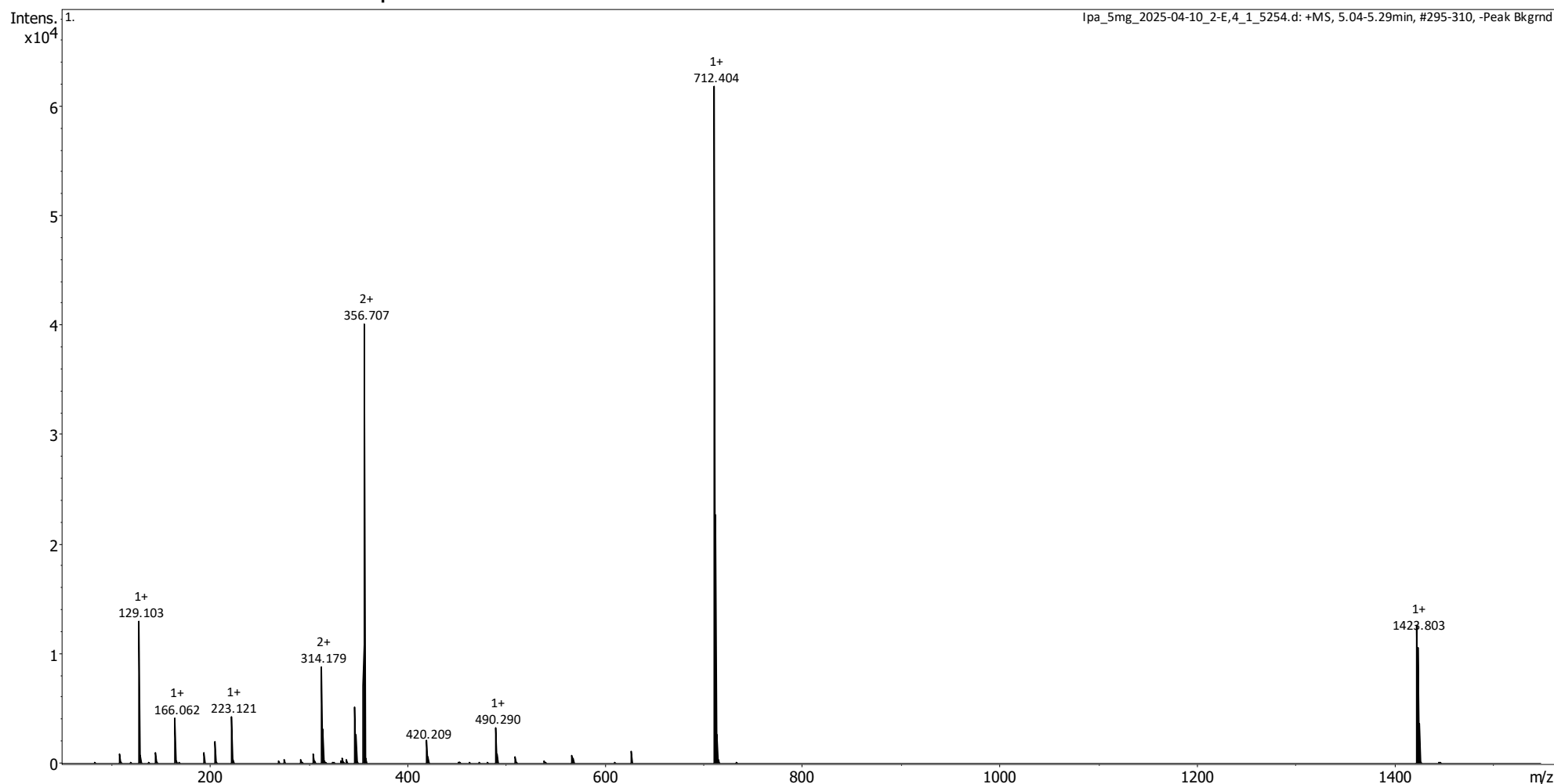
Measured monoisotopic mass : 711.40 Da

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