MZ Biolabs
1635 E 18th St
Tucson, AZ 85719
contact@mzbiolabs.com
www.mzbiolabs.com

Certificate of Analysis

Ipamorelin 10mg, Tesamorelin 10mg

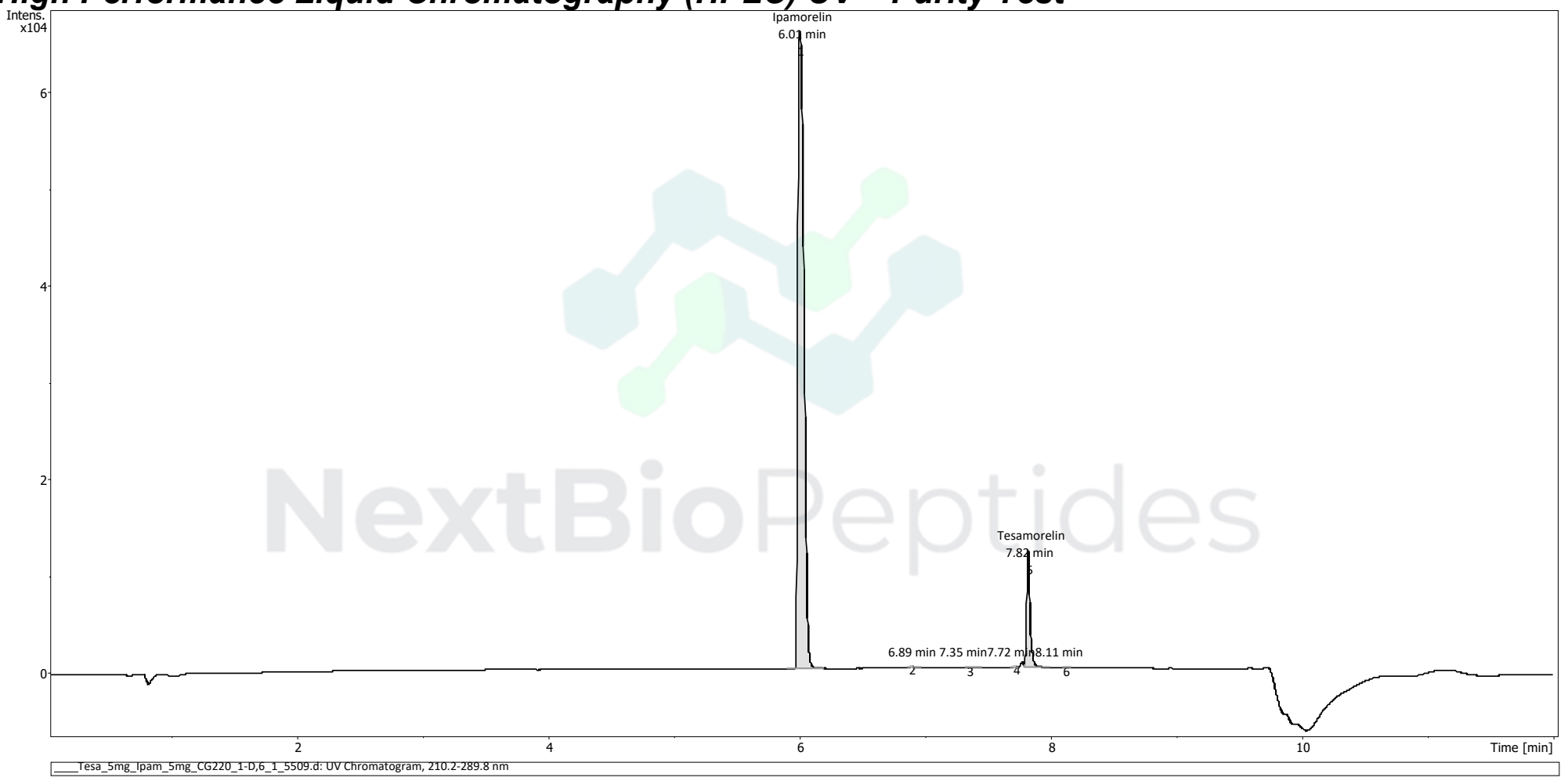
Compound ***: Ipamorelin, Tesamorelin***
Lot number ***: CG220***
Analysis date ***: 2024-09-09***
Purity % ***: 99.67%***
Method ***: HPLC-UV-MS***

Client : NextBioPeptides
nextbiopeptides.com

Ipamorelin PubChem CID: 9831659
https://pubchem.ncbi.nlm.nih.gov/compound/9831659

Tesamorelin 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: 6

	Time (min)	Area	%Area	
1	***6.01***	***2.25E+06***	***99.26***	***Ipamorelin***
2	6.89	3.10E+02	0.12	
3	7.35	2.73E+02	0.11	
4	7.72	1.71E+02	0.07	
5	***7.82***	***2.34E+04***	***9.41***	***Tesamorelin***
6	8.11	6.77E+01	0.03	

Overall Purity : ***99.67***

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

2024-09-12

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

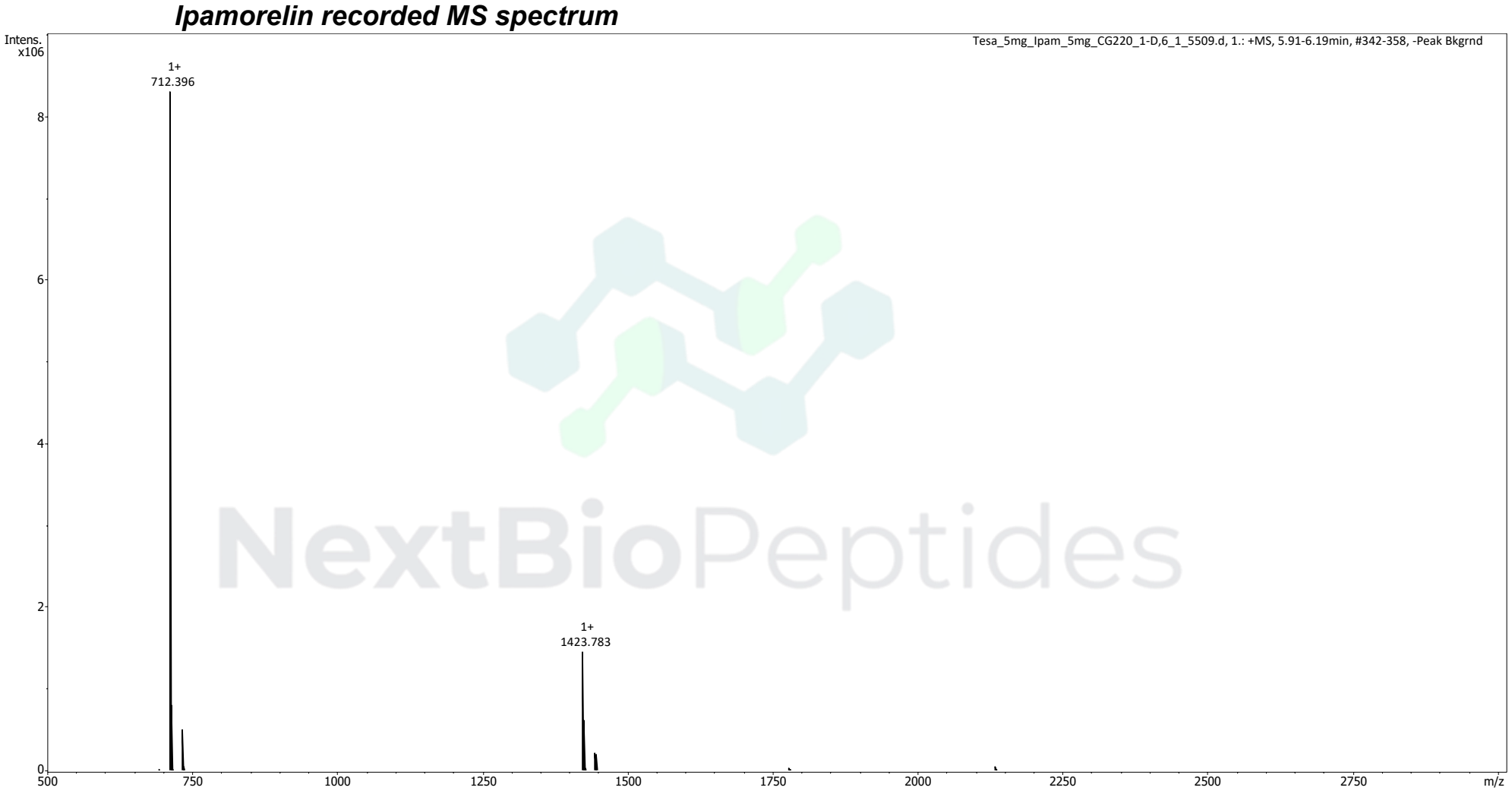
Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides. The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Ipamorelin

Expected monoisotopic mass :	711.38	Da
Measured monoisotopic mass :	711.40	Da

Molecular weightconfirmed

Ipamorelin recorded MS spectrum



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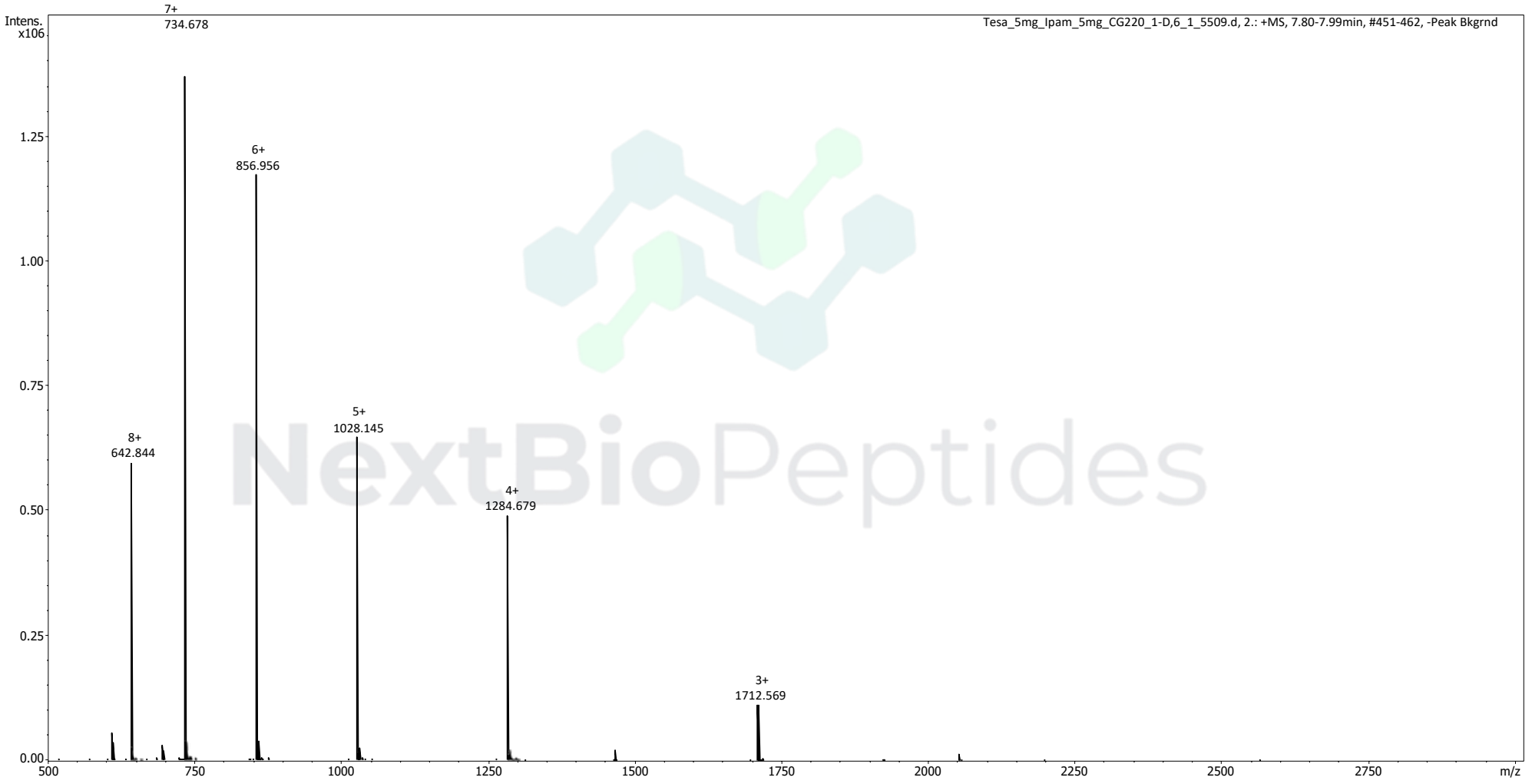
Mass Spectrometry (MS) – Identity Test

Tesamorelin

Expected monoisotopic mass :	5132.72	Da
Measured monoisotopic mass :	5132.74	Da

Molecular weight confirmed

Tesamorelin



NextBioPeptides

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2024-09-12