

Certificate of Analysis

Selank 5mg, Semax 5 mg

Compound : Selank, Semax
Lot number : PC-Z-SS12
Analysis date : 2024-06-22
Purity % : 99.81%
Method : HPLC-UV-MS

Client : Peptide Crafters
<https://peptidecrafters.com/>

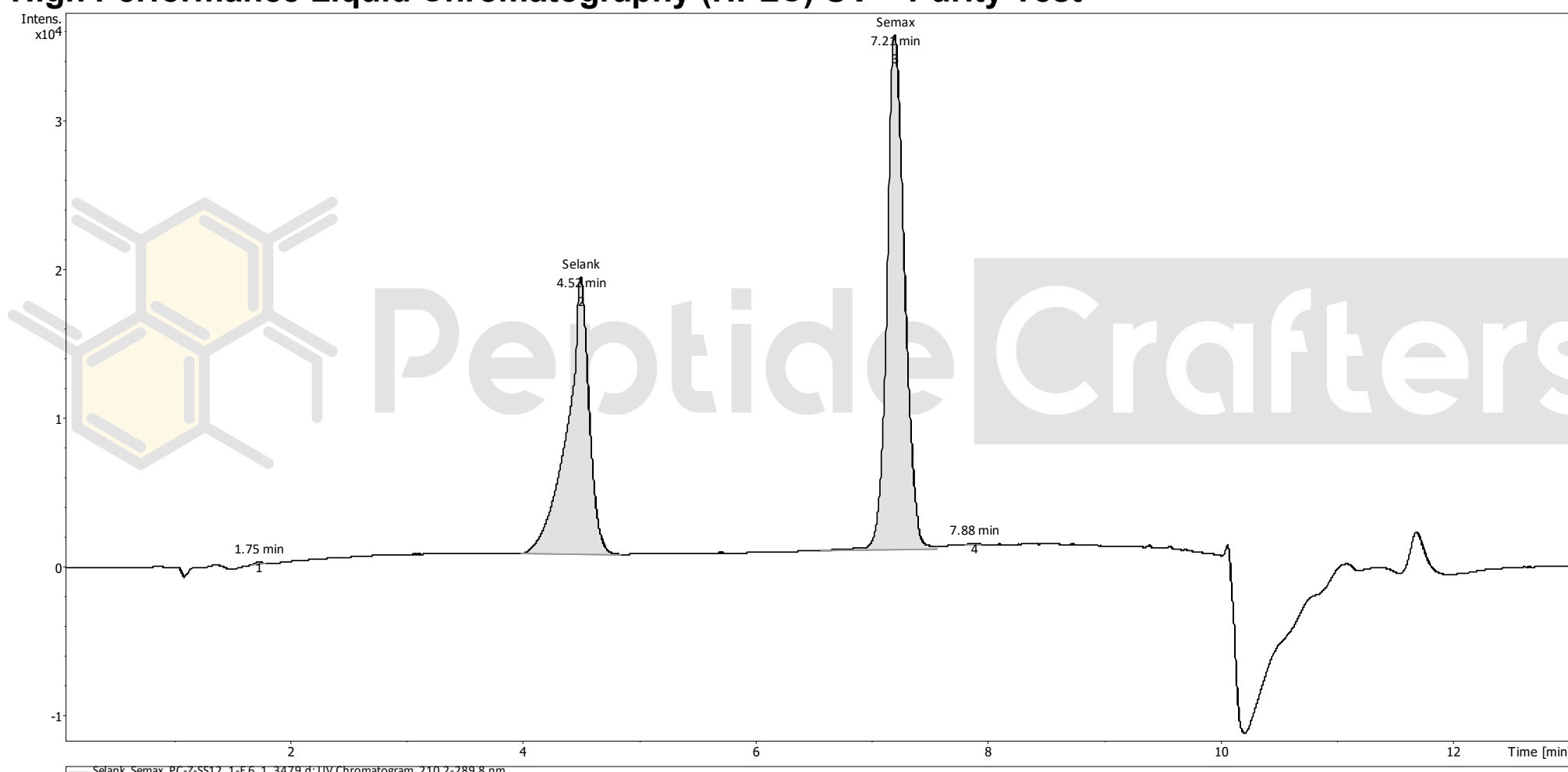
Selank PubChem CID: 11765600

<https://pubchem.ncbi.nlm.nih.gov/compound/11765600>

Semax PubChem CID: 122178

<https://pubchem.ncbi.nlm.nih.gov/compound/122178>

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 4		
	Time (min)	Area	%Area	
1	1.75	6.76E+02	0.11	
2	4.52	2.46E+05	40.07	Selank
3	7.21	3.66E+05	59.74	Semax
4	7.88	5.14E+02	0.08	

Combined Purity : 99.81

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



2024-06-23

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.



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

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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.

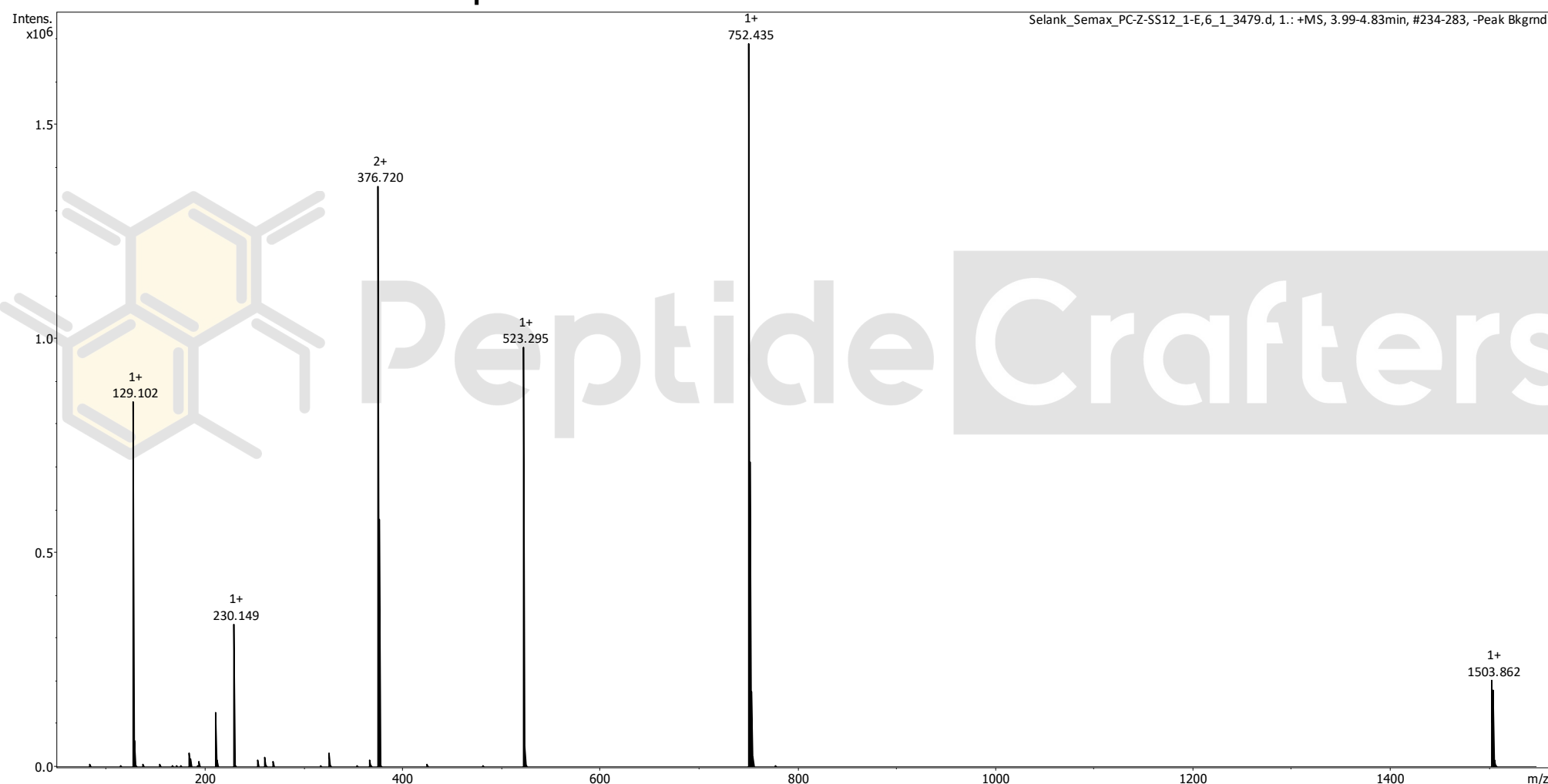
Selank

Expected monoisotopic mass : 751.43 Da

Measured monoisotopic mass : 751.44 Da

Molecular weight confirmed

Selank recorded MS spectrum



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Mass Spectrometry (MS) – Identity Test

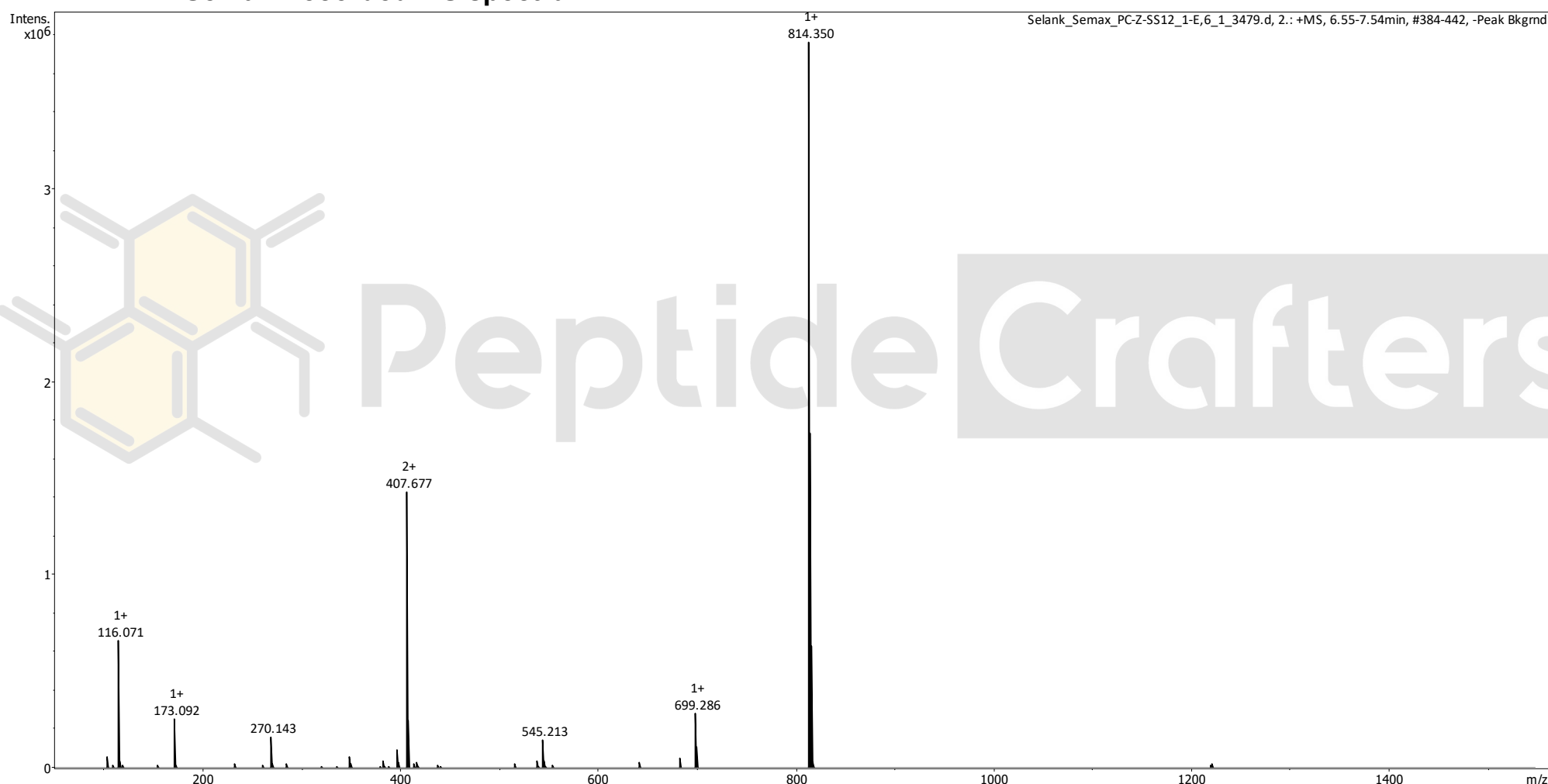
Semax

Expected monoisotopic mass : 813.35 Da

Measured monoisotopic mass : 813.35 Da

Molecular weight confirmed

Semax Recorded MS spectrum



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