



PROOF OF AUTHENTICITY



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Certificate of Analysis

IGF-1 LR3

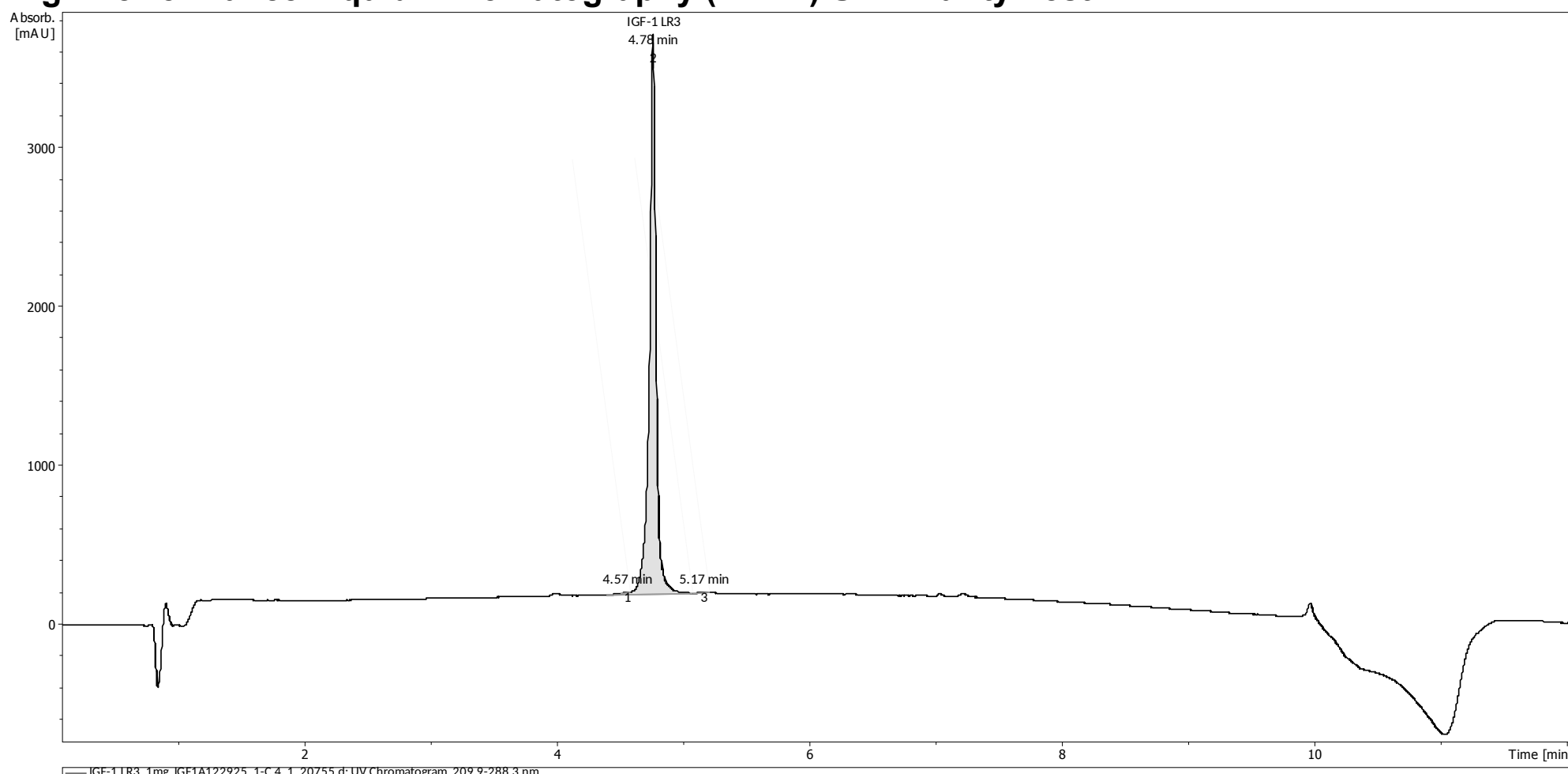
Long arginine 3 Insulin-like growth factor

Compound : IGF-1 LR3
Lot number : IGF1A122925
Analysis date : 2026-03-16
Purity % : 99.80%
Method : HPLC-UV-MS

Client : ALPHA

CAS 143045-27-6

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 3		
	Time (min)	Area	%Area	
1	4.57	9.27E+00	0.07	
2	4.78	1.32E+04	99.80	IGF-1 LR3
3	5.17	1.71E+01	0.13	

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2026-03-24

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.

IGF-1 LR3

Long arginine 3 Insulin-like growth factor

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Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using base peak m/z values from mass spectrum

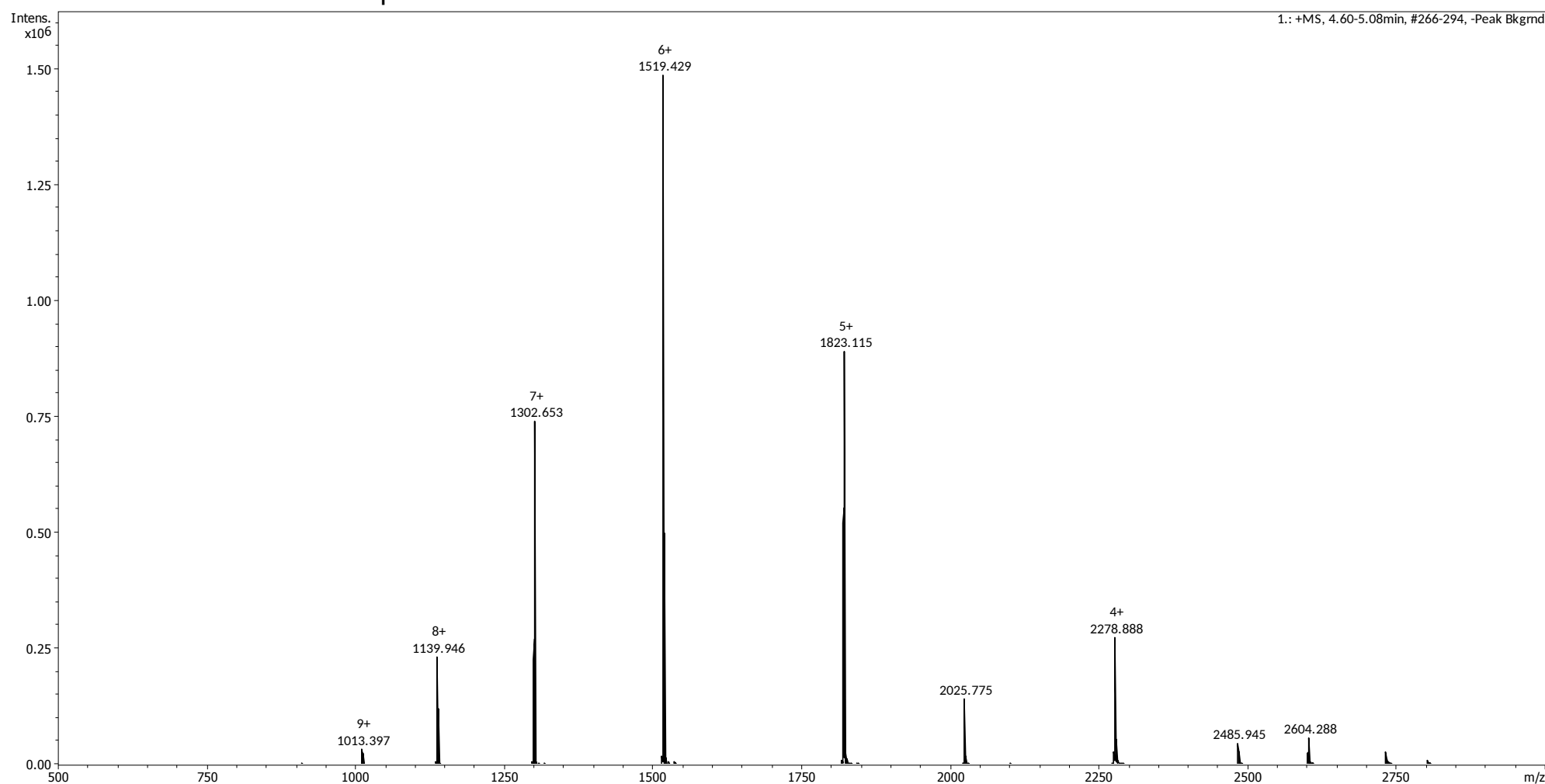
Expected average mass : 9111.40 Da

Measured base peak mass : 9111.57 Da

Molecular weight confirmed

Note : 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



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