



PROOF OF AUTHENTICITY



MZ Biolabs
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Certificate of Analysis

ACE-031 1mg

Ala-Trp-Arg-Gln-Asn-Thr-Arg-Tyr-Ser-Arg-Ile-Glu-Ala-Ile-Lys-Ile-Gln-Ile-Leu-Ser-Lys-Leu-Arg-Leu-NH₂

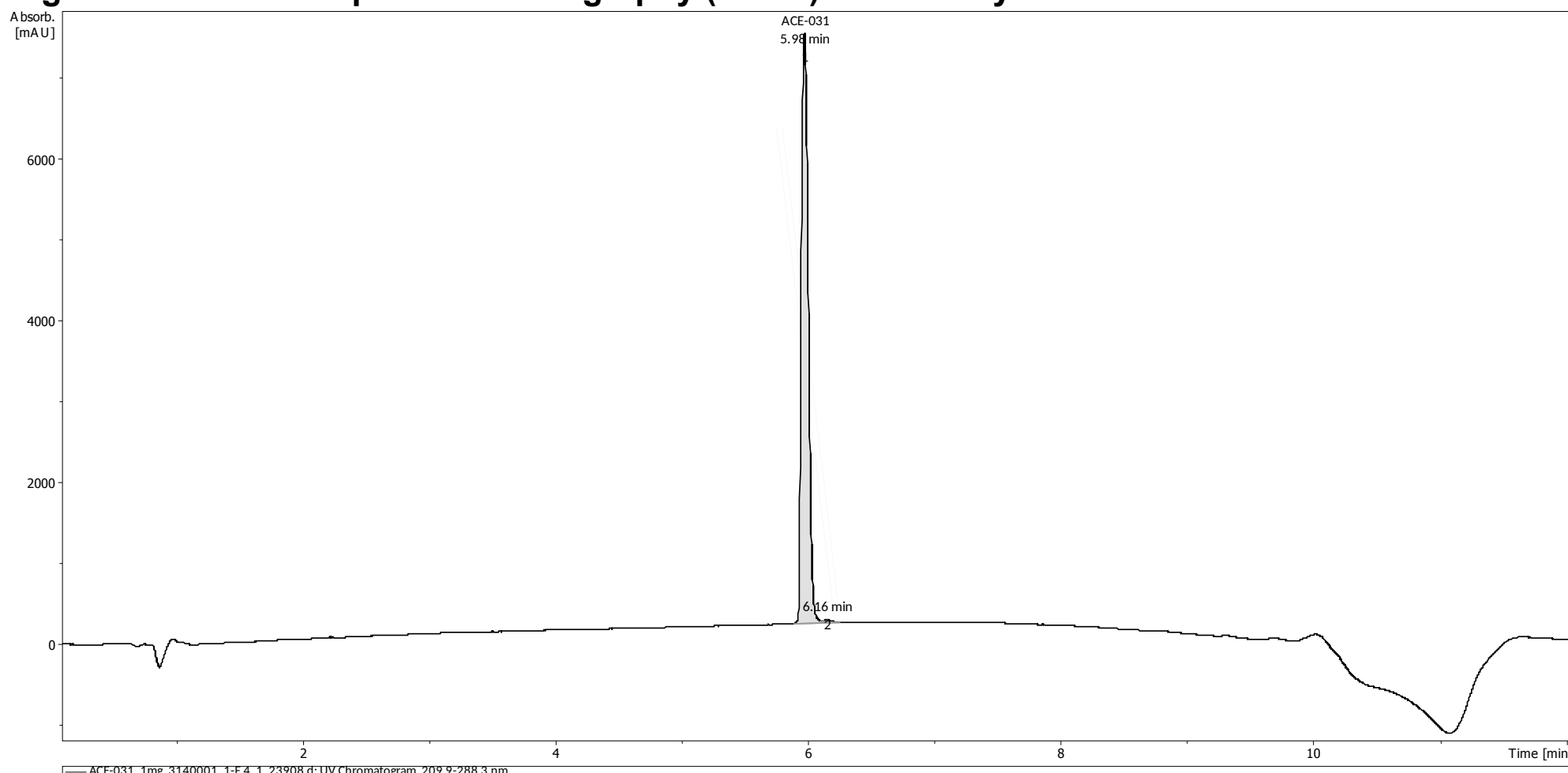
Compound : ACE-031
Lot number : 3140001
Analysis date : 2026-07-15
Purity % : 99.77%
Method : HPLC-UV-MS

Client : Biotech Peptides

PubChem CID: 118732224

<https://pubchem.ncbi.nlm.nih.gov/compound/118732224>

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 2		
	Time (min)	Area	%Area	
1	5.98	2.79E+04	99.77	ACE-031
2	6.16	6.33E+01	0.23	

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2026-07-26

ACE-031 1mg

Ala-Trp-Arg-Gln-Asn-Thr-Arg-Tyr-Ser-Arg-Ile-Glu-Ala-Ile-Lys-Ile-Gln-Ile-Leu-Ser-Lys-Leu-Arg-Leu-NH₂

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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

Expected monoisotopic mass : 2954.74 Da

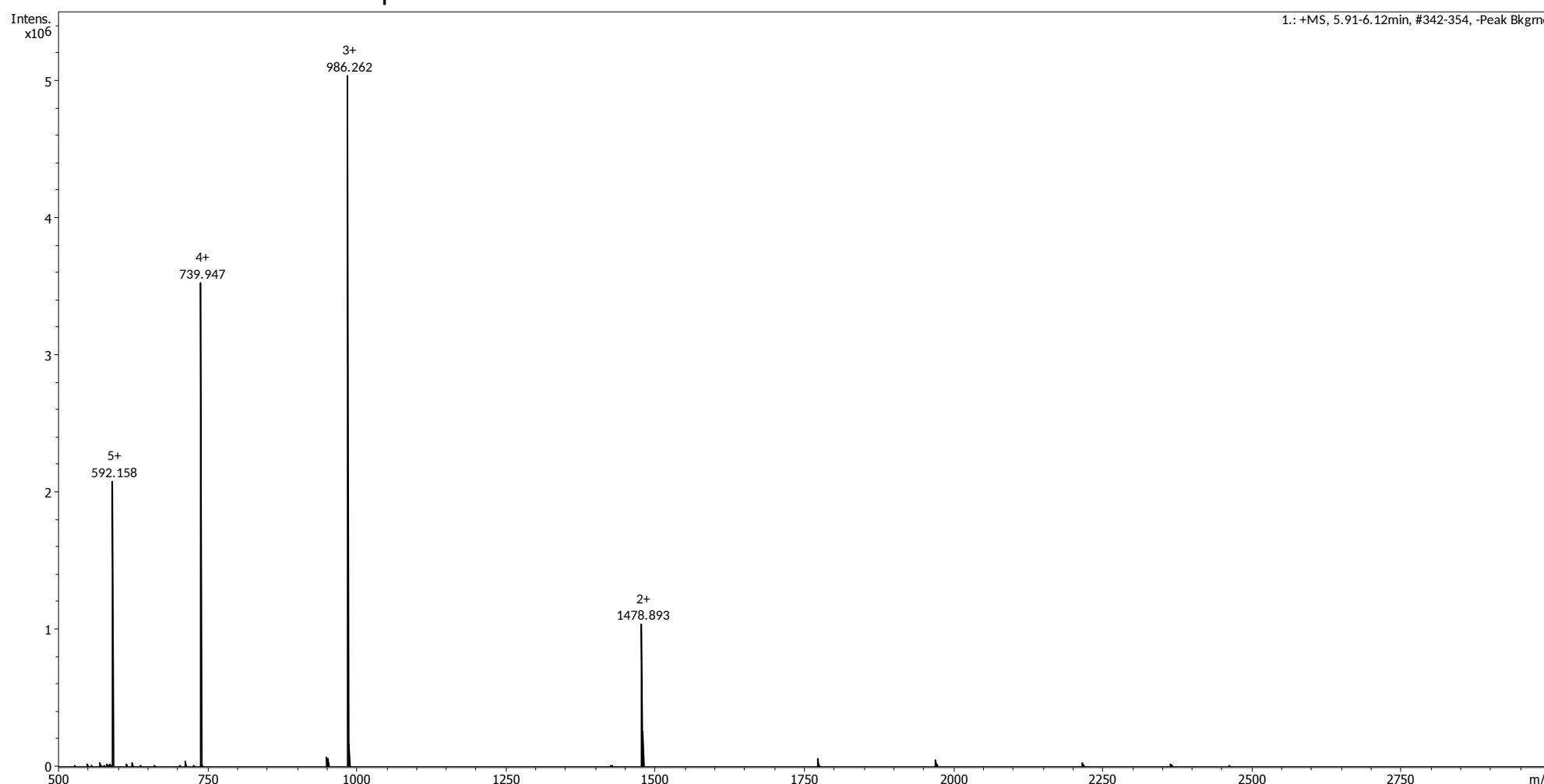
Measured monoisotopic mass : 2954.79 Da

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



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2026-07-26