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Certificate of Analysis

HGH Fragment 176-191

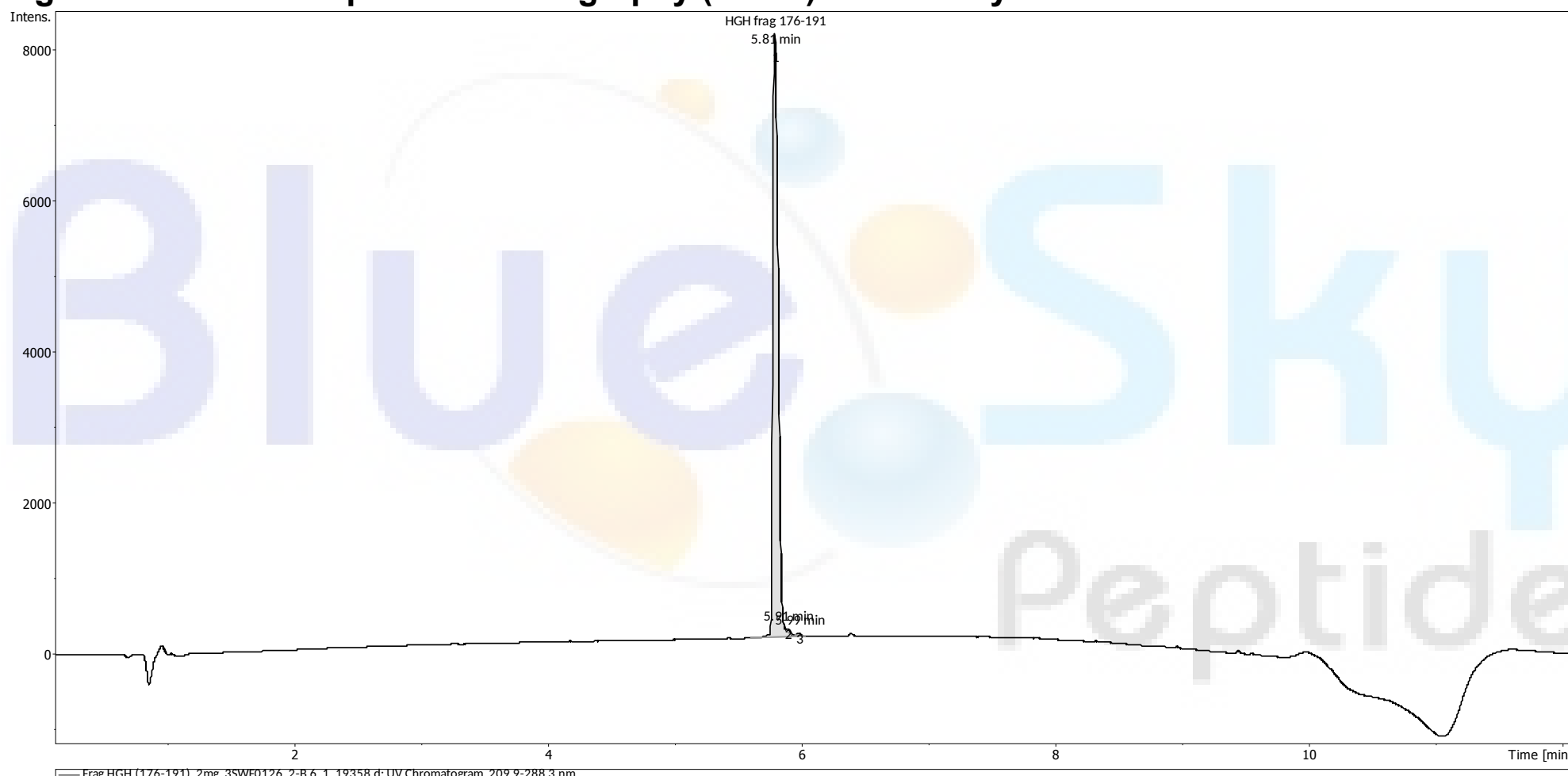
Human growth hormone fragment 176-191

Compound : **HGH 176-191**
Lot number : 3SWF0126
Analysis date : 2026-01-16
Purity % : **99.56%**
Method : HPLC-UV-MS

Client : **Blue Sky Peptide**
<https://www.blueskypeptide.com/>

PubChem CID : 16131230
<https://pubchem.ncbi.nlm.nih.gov/compound/16131230>

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 3		
	Time (min)	Area	%Area	
1	5.81	2.43E+04	99.56	HGH Frag 176-191
2	5.91	4.61E+01	0.19	
3	5.99	6.20E+01	0.25	

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2026-02-05

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.

HGH Fragment 176-191

Human growth hormone fragment 176-191

Mass Spectrometry (MS) – Identity Test

PubChem CID : 16131230

<https://pubchem.ncbi.nlm.nih.gov/compound/16131230>

Identity confirmed using HPLC-MS

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

Expected monoisotopic mass : 1797.86 Da

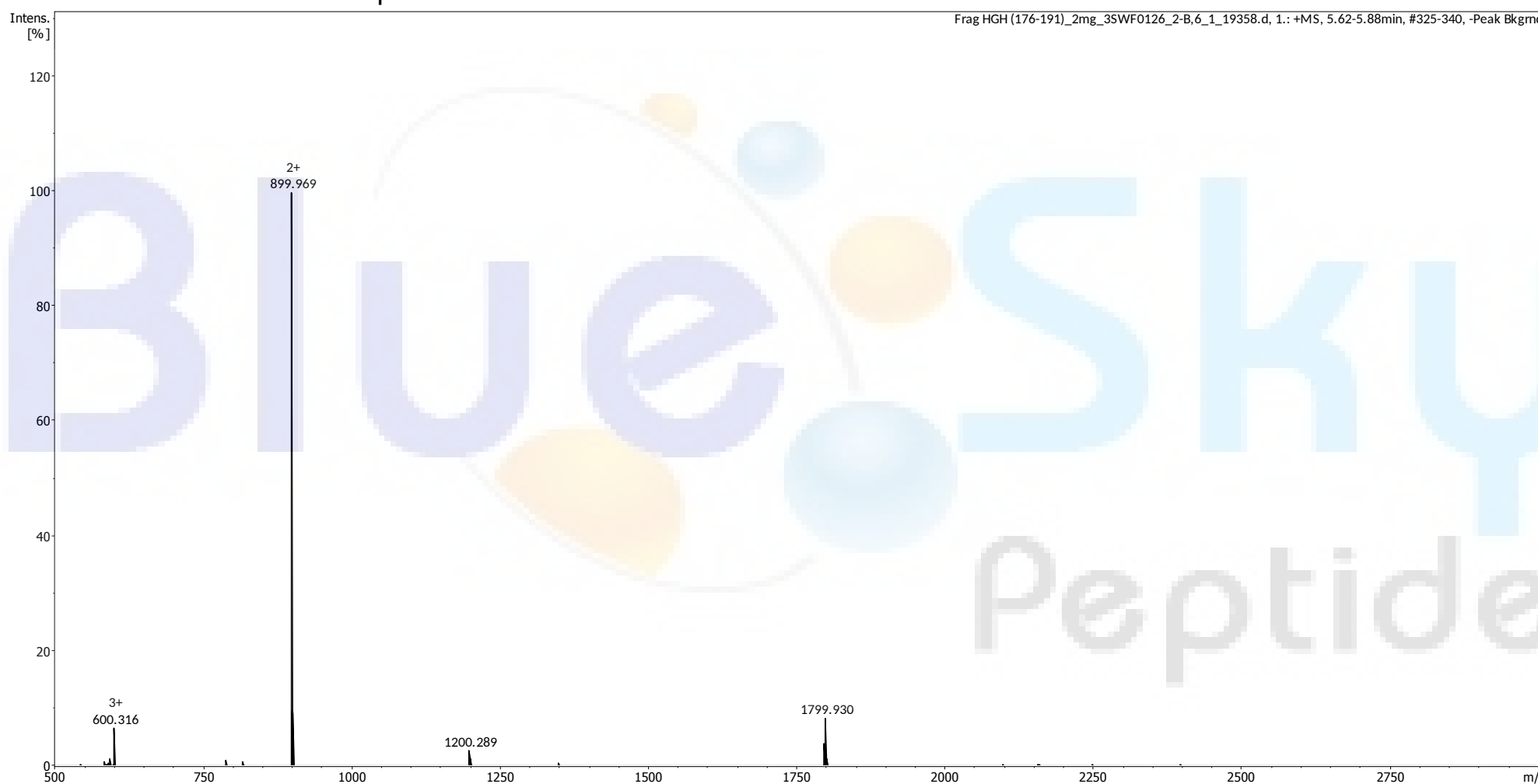
Measured monoisotopic mass : 1797.94 Da

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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