



PROOF OF AUTHENTICITY



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# Certificate of Analysis

## GHK Copper 50mg

copper;(2S)-6-amino-2-[[[(2S)-2-[(2-aminoacetyl)amino]-3-(1H-imidazol-5-yl)propanoyl]amino]hexanoate

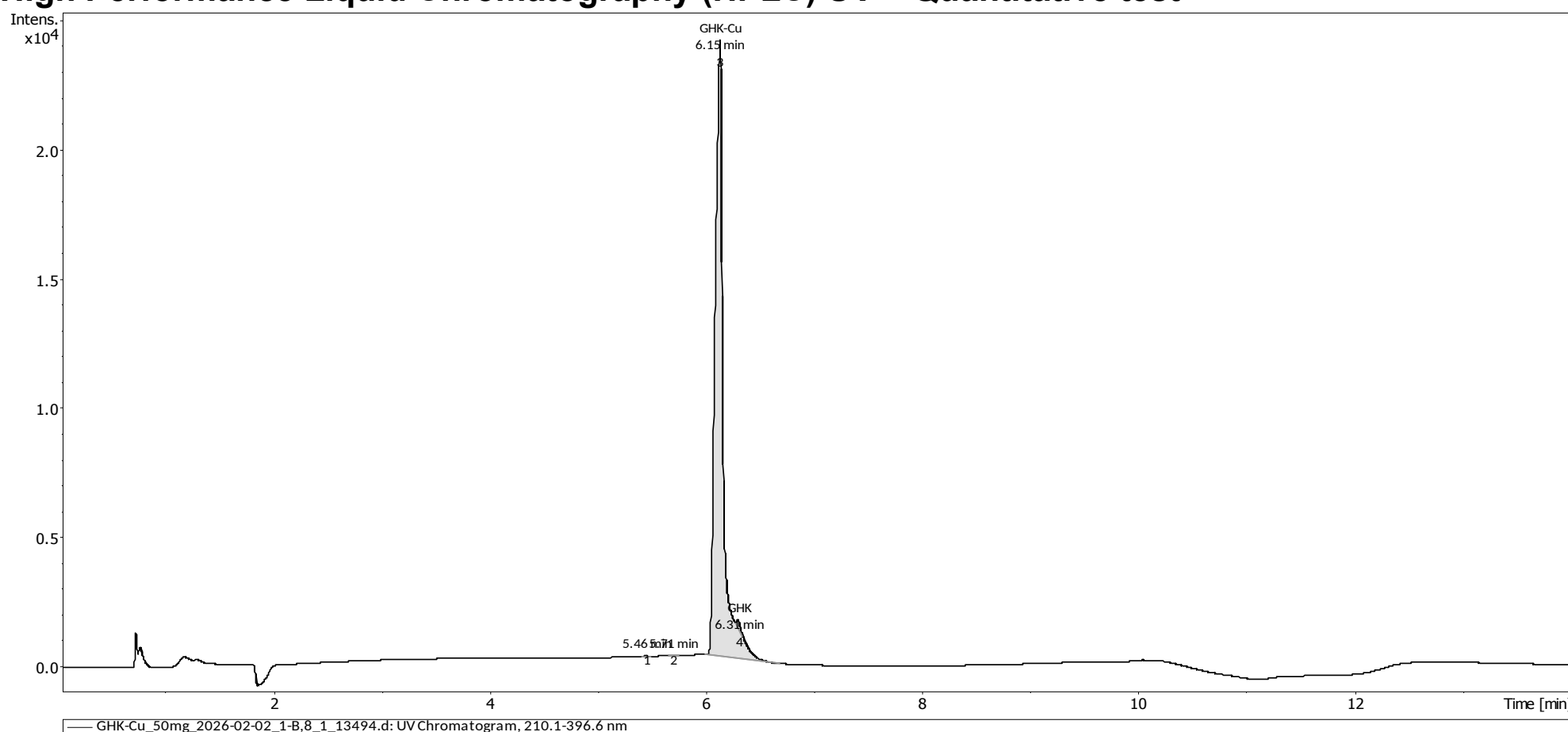
**Compound** : GHK-Cu  
**Lot number** : 2026-02-02  
**Analysis date** : 2026-02-15  
**Purity %** : 99.90%  
**Quantity** : 55.60 mg  
**Method** : HPLC-UV-MS

**Client** : TGM Pure Peptides  
[www.tgmpurepeptides.com](http://www.tgmpurepeptides.com)

PubChem CID: 71587328

<https://pubchem.ncbi.nlm.nih.gov/compound/71587328>

### High Performance Liquid Chromatography (HPLC) UV – Quantitative test



PEAK LIST		Number of detected peaks: 4		
	Time (min)	Area	%Area	
1	5.46	3.58E+01	0.03	
2	5.71	7.25E+01	0.07	
3	<b>6.15</b>	<b>1.07E+05</b>	<b>99.28</b>	<b>GHK Cu</b>
4	<b>6.31</b>	<b>6.69E+02</b>	<b>0.62</b>	<b>GHK</b>

**Overall purity : 99.90**

The GHK-Copper complex dissociates slightly during HPLC resulting in the small GHK peak immediately after GHK-Cu. This is normal.

**Quantification by HPLC-UV**  
Measured quantity : 55.60 mg/vial

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.

Analysis Performed by  
Ken Pendarvis, ChE  
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2026-02-22



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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 : 402.10 Da

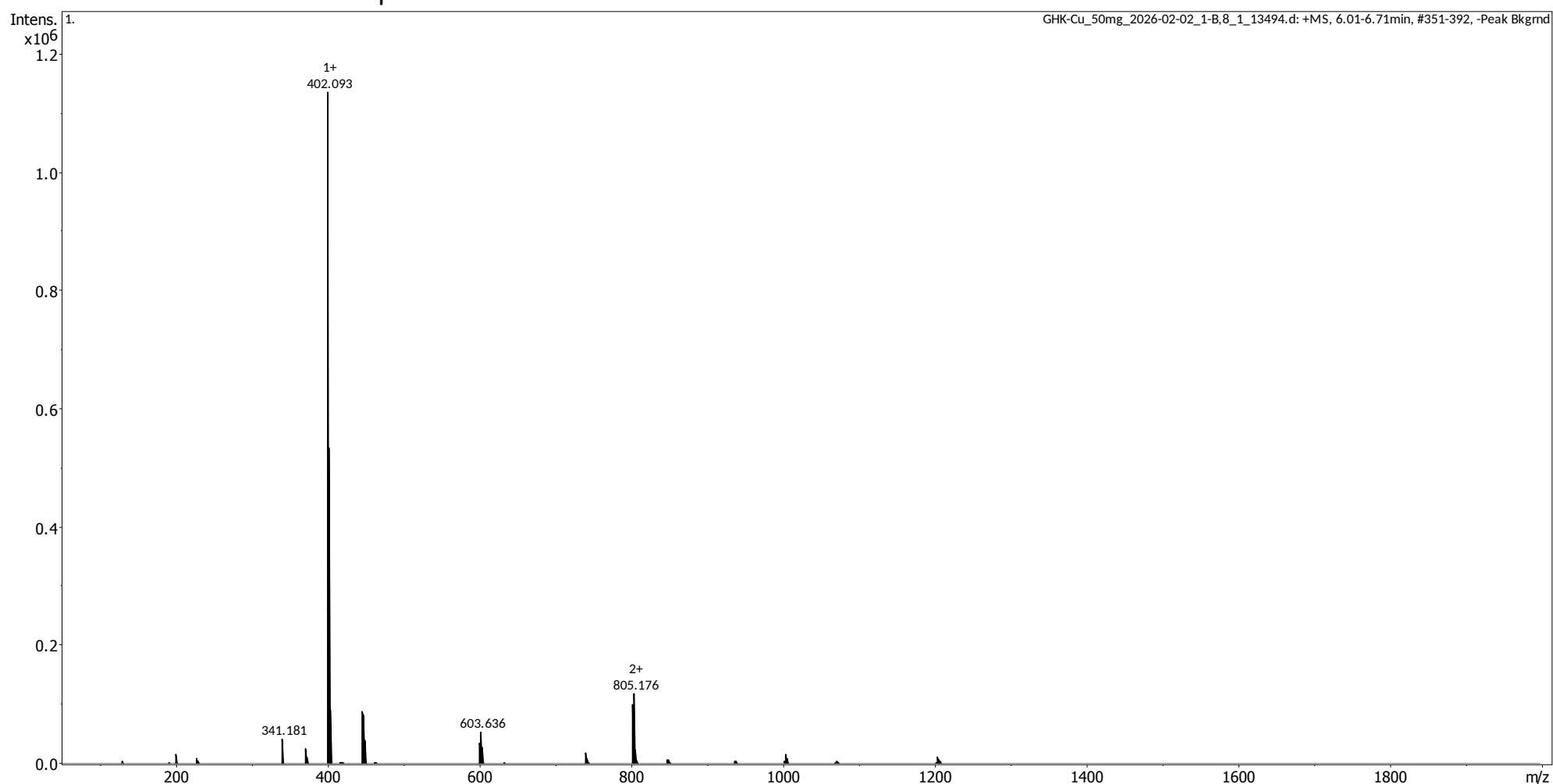
Measured monoisotopic mass : 402.09 Da

**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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