MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
contact@mzbiolabs.com
www.mzbiolabs.com

PROOF OF AUTHENTICITY

# Certificate of Analysis

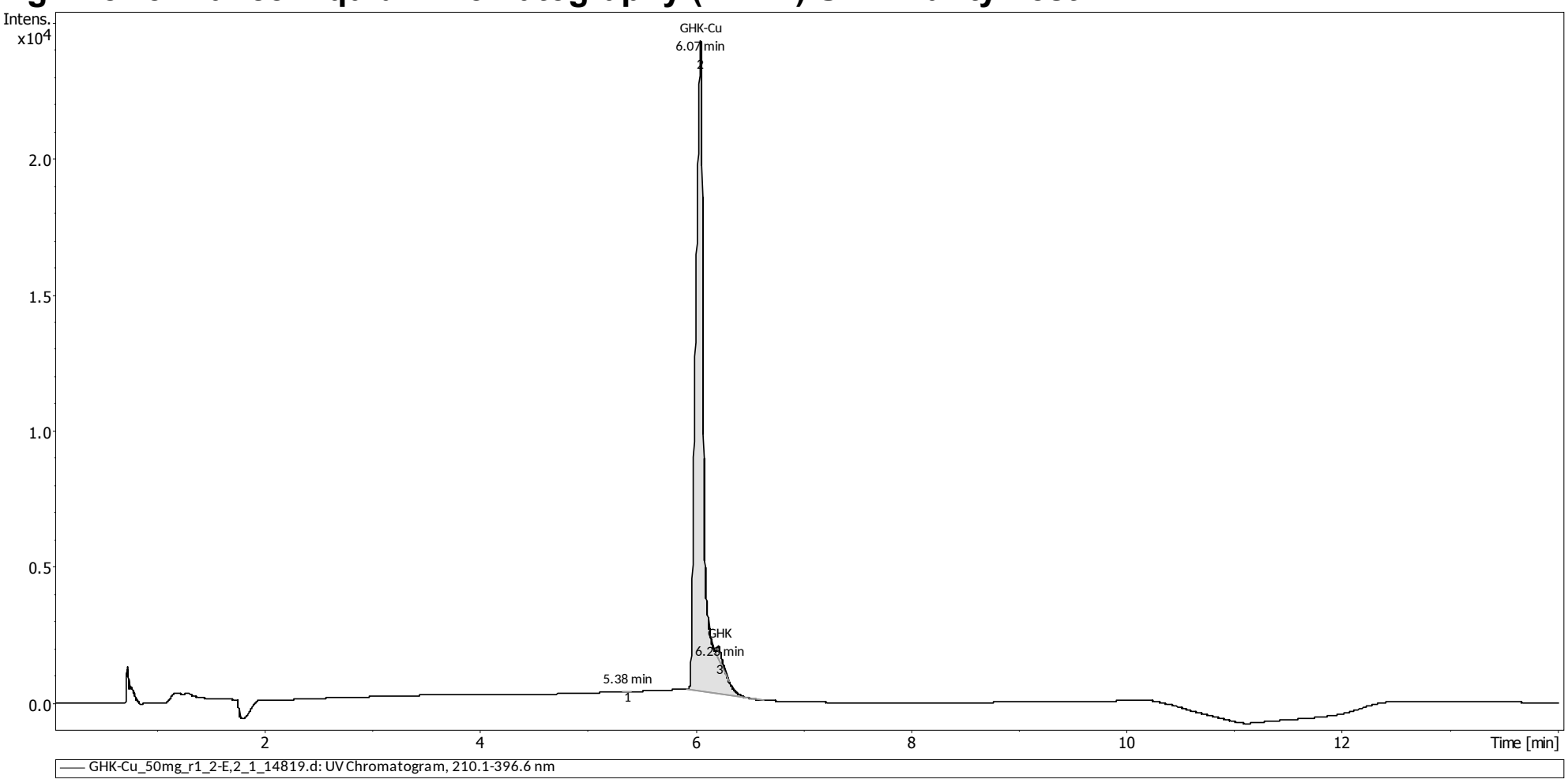
## GHK Copper 50mg

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

**Compound** : **GHK-Cu** **Client :** **QRP Research**
**Lot number** : **2026-03-11 (Vial 1)**
**Analysis date** : **2026-03-20**
**Purity %** : **99.97%**
**Method** : **HPLC-UV-MS**

PubChem CID: 71587328
https://pubchem.ncbi.nlm.nih.gov/compound/71587328

## High Performance Liquid Chromatography (HPLC) UV – Purity Test




PEAK LIST Number of detected peaks: 3

| | Time (min) | Area | %Area | |
|---|---|---|---|---|
| 1 | 5.38 | 3.93E+01 | 0.04 | |
| 2 | **6.07** | **1.09E+05** | **98.51** | **GHK Cu** |
| 3 | **6.23** | **1.61E+03** | **1.46** | **GHK** |

**Overall purity :** **99.97**

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

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
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com

2026-03-25

MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
contact@mzbiolabs.com
www.mzbiolabs.com

# GHK Copper  50mg

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

PubChem CID: 73587
https://pubchem.ncbi.nlm.nih.gov/compound/73587

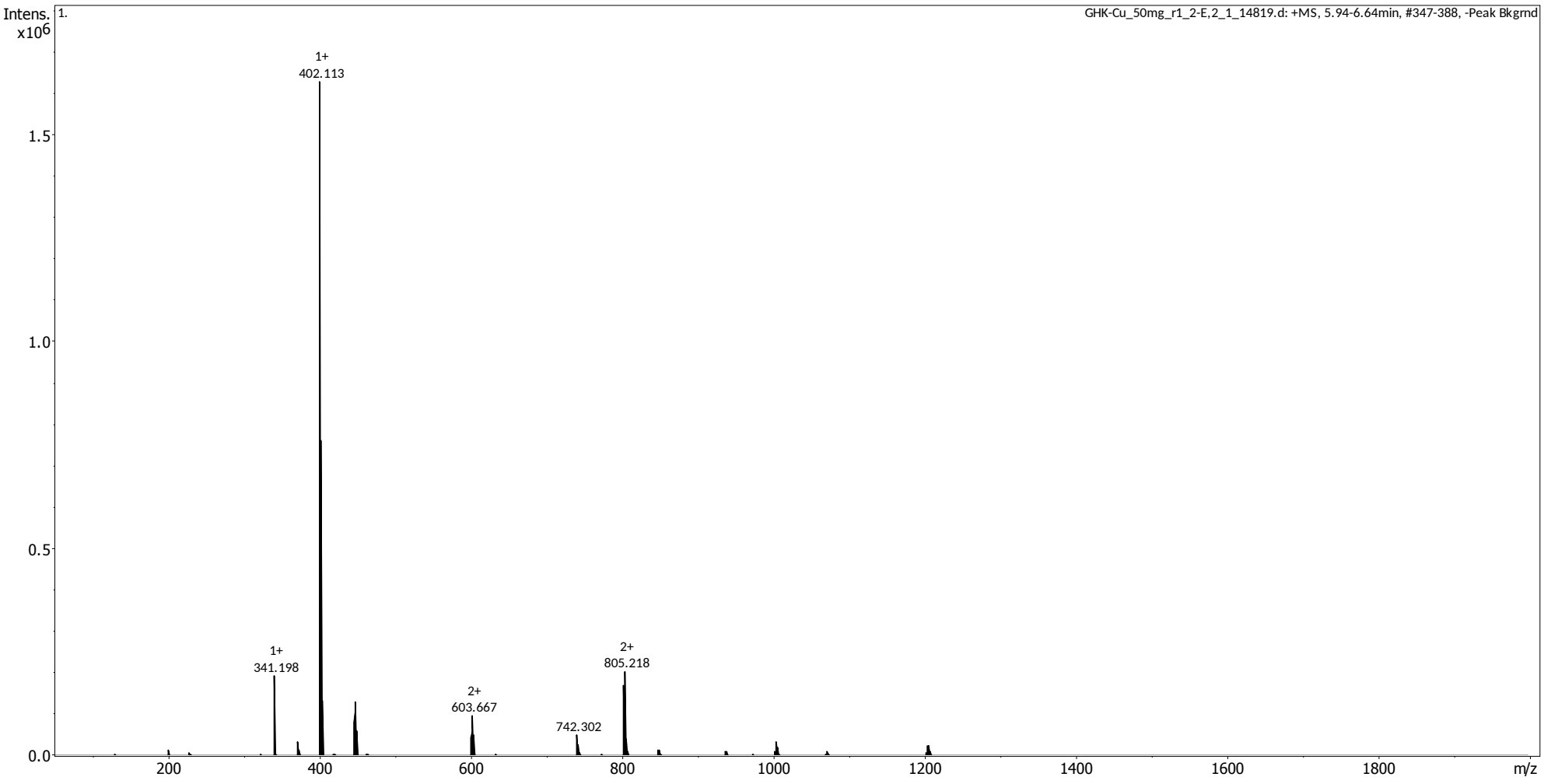
## Mass Spectrometry (MS) – Identity Test

**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 : 402.11 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




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

2026-03-25