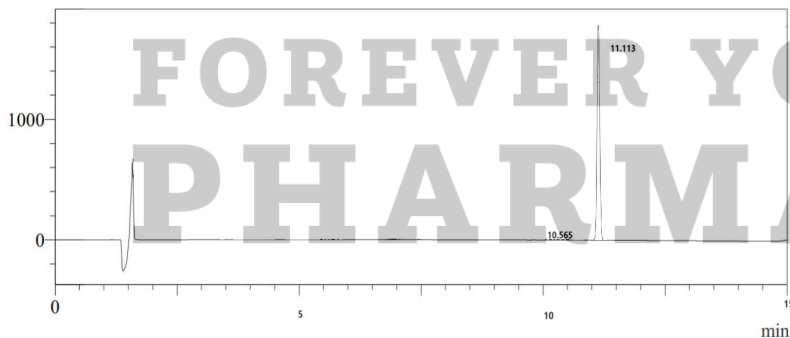


**CERTIFICATE OF ANALYSIS****SAMPLE INFORMATION**

|                       |                                       |
|-----------------------|---------------------------------------|
| Product Name          | GHK-CU 50mg                           |
| Client Name/Lot No.   | Biopep Research Peptides / Lot# 25070 |
| Sequence              | Glycyl-L-Histidyl-L-Lysine-Copper     |
| Dissolution condition | 100% H2O                              |
| Length                | 3AA                                   |
| Molecular Weight      | 402.92 g/mol                          |

**CHROMATOGRAM**

| Peak # | Ret. Time | Area % |
|--------|-----------|--------|
| 1      | 10.565    | 0.068  |
| 2      | 11.113    | 99.932 |

**TEST RESULTS**

|            | Specifications                | Results  |
|------------|-------------------------------|----------|
| Strength   | 50.00 mg                      | 53.40 mg |
| Appearance | Royal blue lyophilized powder | Conforms |
| Purity     | ≥98.0%                        | 99.9%    |
| pH value   | 6.0-8.0                       | 7.0      |
| Impurity   | Single Impurity ≤1.0%         | 0.1%     |
|            | Total Impurity ≤2.0%          | 0.1%     |

**TEST PARAMETERS**

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Pump A                 | 0.1% trifluoroacetic in 100% water                 |
| Pump B                 | 0.1% trifluoroacetic in 100% acetonitrile          |
| Total Flow             | 1.0ml/min                                          |
| Wavelength             | 214nm                                              |
| Analytical Column Type | Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm) |
| Dissolution Method     | 100% H2O                                           |
| Injection Volume       | 30uL                                               |

**CONCLUSION**

One 3ml contained a royal blue lyophilized powder and has a clear cap with red crimp and is Lot# 25070.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.9% GHK-CU (53.40 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**

Dane Fredericksen  
Analytical Chemist  
03/17/2025



**\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\***