



## CERTIFICATE OF ANALYSIS

Report No. COA-FL-2547-B53 · Page 1 of 1

## SAMPLE IDENTIFICATION

|                   |              |                  |              |
|-------------------|--------------|------------------|--------------|
| PRODUCT NAME      | GHK-Cu       | CLIENT           | Cryonic Labs |
| LABEL STRENGTH    | 100MG        | LOT / BATCH NO.  | FL-2547-B53  |
| MOLECULAR FORMULA | C14H22N6O4Cu | MANUFACTURE DATE | 13 Apr 2026  |
| MOLECULAR WEIGHT  | 401.91 g/mol | DATE OF ANALYSIS | 20 Apr 2026  |
| CAS NUMBER        | 89030-95-5   | RETEST / EXPIRY  | 12 Apr 2028  |

## ANALYTICAL RESULTS

| TEST                 | METHOD              | SPECIFICATION            | RESULT     | STATUS |
|----------------------|---------------------|--------------------------|------------|--------|
| Appearance           | Visual              | White lyophilised powder | Conforms   | PASS   |
| Identification       | MALDI-TOF MS        | 401.91 ± 1.0 amu         | 402.07 amu | PASS   |
| Purity / Assay       | HPLC-UV 220 nm      | ≥ 98.0 %                 | 99.56 %    | PASS   |
| Retention Time       | HPLC-UV 220 nm      | Matches reference        | 12.23 min  | PASS   |
| Single Max Impurity  | HPLC-UV 220 nm      | ≤ 1.00 %                 | 0.17 %     | PASS   |
| Peptide Content      | Nitrogen (Kjeldahl) | ≥ 78.0 %                 | 86.34 %    | PASS   |
| Water Content        | Karl Fischer        | ≤ 6.0 %                  | 2.39 %     | PASS   |
| Acetate Content      | HPLC-IC             | ≤ 10.0 %                 | 5.36 %     | PASS   |
| Bacterial Endotoxins | LAL Kinetic         | < 0.50 EU/mg             | 0.05 EU/mg | PASS   |
| Microbial Limits     | USP <61>            | < 100 CFU/g              | < 10 CFU/g | PASS   |
| Heavy Metals         | ICP-MS              | ≤ 10 ppm                 | 1.3 ppm    | PASS   |
| Sterility of Fill    | USP <71>            | No growth                | No growth  | PASS   |

## CONCLUSION

The submitted sample of GHK-Cu (100MG), lot FL-2547-B53, was analysed under the methods listed above and conforms to all release specifications with a chromatographic purity of 99.56 %. Material is supplied for laboratory research use only. Not for human or veterinary use, and not for diagnostic or therapeutic application. Retain sample stored at -20 °C, protected from light.

99.56%  
PURITY

Dr. M. Ellingsworth, Ph.D.

Laboratory Director, Freedom Laboratories LLC  
Signed 20 Apr 2026 · Report No. COA-FL-2547-B53