pH SOLUTIONS

CERTIFICATE OF ANALYSIS

260903-899-NHS-2

Issued Sep 29, 2026

SAMPLE

# GHK-Cu 100 mg

Prepared for **Peptology Labs** · Lot **PLB-GHK100-20260828-01**

**PASS**

**ISO/IEC 17025:2017 ACCREDITED**

A2LA R243 · PJLA Testing #84351 · Zero recalls since 2016

181 W Huntington Dr, Suite 181, Monrovia, CA 91016 · (818) 808-9757

| BATCH / LOT | SAMPLE ID | MATRIX | PANELS RUN |
|---|---|---|---|
| PLB-GHK100-20260828-01 | 260903-899-NHS-2 | — | 10 |
| **RECEIVED** | **ANALYZED** | **REPORTED** | **CLIENT** |
| Sep 3, 2026 | — | Sep 29, 2026 | Peptology Labs |

## REPORT INFORMATION

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Laboratory certificate number | 260903-899-NHS-2 | | | TESTED |
| Customer certificate identifier | SIM-NHS-GHK100-20260828-01 | | | TESTED |
| Customer report number | SIM-NHS-GHK100-20260828-01 | | | TESTED |
| Report date | 2026-09-29 | | | TESTED |

## IDENTITY

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Identity | Match | | | PASS |
| Expected MW | 403.9 g/mol | | | TESTED |
| Molecular formula | C14H24CuN6O4 | | | TESTED |
| CAS | 89030-95-5 | | | TESTED |

## PEPTIDE PURITY

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Purity | 99 % | | | PASS |
| Wavelength (nm) | 274 nm | | | PASS |
| By mass | 25.90 % | | | TESTED |

## ASSAY

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Net content | 100.087 mg/vial | | | PASS |
| Appearance | Violet to purple lyophilized powder cake; free of visible particulates | | | TESTED |
| Water content (KF) | 0.0 % | | | TESTED |
| pH | 7.0 | | | TESTED |

## WATER ACTIVITY

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Water activity | 0.0425 aw | | | PASS |

## MICROBIALS

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| E. Coli | Not Detected | | | PASS |
| Salmonella spp. | Not Detected | | | PASS |
| Aspergillus flavus | Not Detected | | | PASS |
| Aspergillus fumigatus | Not Detected | | | PASS |
| Aspergillus niger | Not Detected | | | PASS |
| Aspergillus terreus | Not Detected | | | PASS |
| Yeast & Mold | Not Detected in 1g | | | TESTED |
| Coliforms | Not Detected | | | PASS |
| Aerobic Bacteria | Not Detected in 1g | | | TESTED |
| Enterobacteriaceae | Not Detected in 1g | | | TESTED |
| Microbials panel | PASS | | | PASS |

## HEAVY METALS

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Arsenic | 0.000 ppm | | | PASS |
| Cadmium | 0.000 ppm | | | PASS |
| Lead | 0.190782 ppm | | | TESTED |
| Mercury | 0.000 ppm | | | PASS |
| Heavy metals panel | PASS | | | PASS |

## RESIDUAL SOLVENTS

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Acetone | 0.068075 ppm | | | TESTED |
| Acetonitrile | 40.137793 ppm | | | TESTED |
| Ethanol | 21.328873 ppm | | | TESTED |
| Ethyl Acetate | 0.000 ppm | | | PASS |
| Isopropyl Alcohol | 1.842488 ppm | | | TESTED |
| Methanol | 0.017606 ppm | | | TESTED |
| Toluene | 0.000 ppm | | | PASS |
| Benzene | 0.000 ppm | | | PASS |
| Butane | 0.000 ppm | | | PASS |
| Chloroform | 0.000 ppm | | | PASS |
| Ethyl Ether | 0.000 ppm | | | PASS |
| Trichloroethylene | 0.000 ppm | | | PASS |
| Residual solvents panel | PASS | | | PASS |

## ADDITIONAL REPORTED PANEL OUTCOMES

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Sterility | Pass | | | PASS |
| Mycotoxins | Pass | | | PASS |

## CONTENT AND RECOVERY

| ANALYTE | RESULT | UNIT | LIMIT / METHOD | STATUS |
|---|---|---|---|---|
| Recovery | 100.087 % nominal | | | PASS |
| Component nominal amounts | GHK: 100 mg | | | TESTED |
| Net peptide content outcome | Pass | | | PASS |
| Net peptide content (mg/g) | 259 mg/g | | | TESTED |

**PH SOLUTIONS LAB INC.**

Analysis performed in accordance with ISO/IEC 17025:2017. Results relate only to the sample as submitted. This certificate may not be reproduced except in full without the written approval of the laboratory. The online copy at the address beside is authoritative: if a printed COA disagrees with it, the online copy governs. Questions: info@phsolutionslab.com · (818) 808-9757.

SCAN TO VERIFY

www.phsolutionslab.com/c/eyJjIjoiMjYwOTAzLTg5OS1OSFMtMiIsInAiOiJQZXB0b2xvZ3kgTGFicyIsImwiOiJQTEItR0hLMTAwLTIwMjYwODI4LTAxIn0.ec05HLXuC8nV4-3qvX3HQCXLY4Icixzh