

## ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111  
(619) 329-3999 | ils-lab.com

## GHK-Cu (100mg) - 100mg

Tested for: Elephant Biosciences

**PASS**

COA #: COA-2026-FYQVAJ  
Lot Number: LZ701507  
Accession #: ACC-2026-10693  
Labeled Content: 100mg

Analysis Date: 07/25/2026  
Appearance: Good  
Sample Matrix: Powder  
Volume: 5mL  
Date Received: 07/17/2026



Scan to verify  
authenticity at ils-lab.com  
Access Code: N53LG3Z6

Method: Full QC Panel

Identity

**GHK-Cu (100mg)**

Peptide Purity

**99.59%**



Fentanyl  
Free

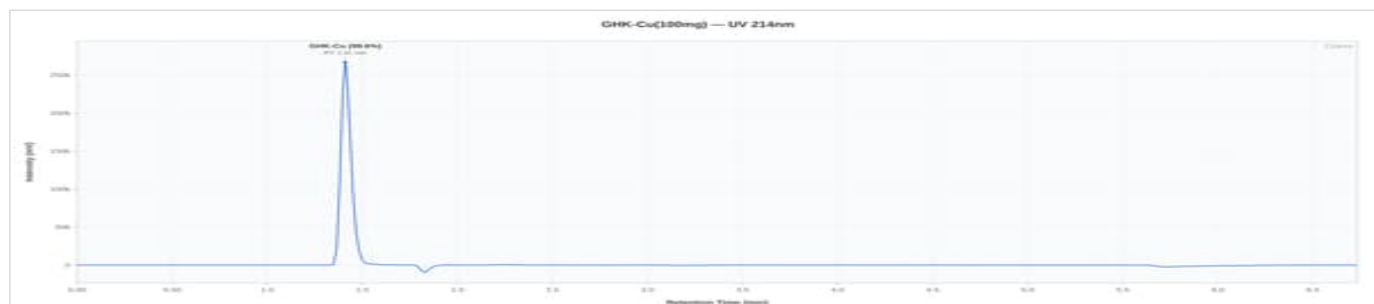
## Purity, Identity & Quantitation (HPLC)

| Analyte               | Specification                | Result       | Unit | Status |
|-----------------------|------------------------------|--------------|------|--------|
| Peptide Purity (HPLC) | >= 95.0%                     | 99.59%       | %    | PASS   |
| Net Peptide Content   | Report Only                  | 106.51       | mg   | N/A    |
| Identity (HPLC-RTM)   | GHK-Cu                       | Confirmed    | -    | PASS   |
| Fentanyl Screen       | Immunoassay, 50 ng/mL cutoff | Not Detected | -    | PASS   |



GHK-Cu (100mg) 100mg - LZ701507

## HPLC Chromatogram



Representative chromatogram, Conformity V2

## HPLC Conformity Testing Results (3 samples tested)

| Sample        | Purity  | NPC       | ID        | Result |
|---------------|---------|-----------|-----------|--------|
| Dedicated V0  | 99.59%  | 106.51 mg | Confirmed | PASS   |
| Conformity V1 | 99.56%  | 104.26 mg | Confirmed | PASS   |
| Conformity V2 | 99.58%  | 102.77 mg | Confirmed | PASS   |
| Mean          | 99.58%  | 104.51 mg | —         | —      |
| Std Dev       | 0.0125% | 1.5373 mg | —         | —      |



*Dr. Greg Kalyuzhny*

Dr. Greg Kalyuzhny  
Lab Director  
7/25/2026

COA #: COA-2026-FYQVAJ  
Access Code: N53LG3Z6  
Verify: [portal.ils-lab.com/verify/wndrmjMzI\\_I-vOM9](portal.ils-lab.com/verify/wndrmjMzI_I-vOM9)  
Issued: 7/25/2026

Heavy Metals Analysis (ICP-MS)

| Test          | Specification | Result     | Status |
|---------------|---------------|------------|--------|
| Arsenic (As)  | NMT 1.5 ppm   | 0.0953 ppm | PASS   |
| Cadmium (Cd)  | NMT 0.5 ppm   | 0.0534 ppm | PASS   |
| Lead (Pb)     | NMT 1.0 ppm   | 0.1874 ppm | PASS   |
| Mercury (Hg)  | NMT 1.5 ppm   | 0.2015 ppm | PASS   |
| Chromium (Cr) | NMT 10.0 ppm  | 0.692 ppm  | PASS   |

Sterility Testing (PCR)

| Test            | Specification | Result    | Status |
|-----------------|---------------|-----------|--------|
| Sterility (PCR) | No Growth     | No Growth | PASS   |

Endotoxin Testing (USP <85>)

| Test                 | Specification | Result      | Status   |
|----------------------|---------------|-------------|----------|
| Endotoxin (USP <85>) | Report Result | 0.155 EU/mL | Reported |

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Notes & Methodology

1. Date Tested: 07/25/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be GHK-Cu (100mg) by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
6. Chromatogram shown is representative: Conformity V2 (99.58% purity, closest to batch mean of 99.58%).



  
**Dr. Greg Kalyuzhny**  
Lab Director  
7/25/2026

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