OPTIQ HEALTH LABS

# CERTIFICATE OF ANALYSIS

TESTED PEPTIDE: **GHK-CU**

Scan to Verify COA Authenticity


## SAMPLE INFORMATION

**Sample Name:**
GHK-CU 100mg

**Lot Number:**
SD-260728-1

**Sample Matrix:**
Lyophilized Peptide

**Received Date:**
August 3, 2026

**Sample ID:**
0549.OPT.260803

**Client:**
Smart MD Labs

**Intended Use:**
Research Use Only

**Report Date:**
August 8, 2026

| IDENTITY | POTENCY | PURITY |
|---|---|---|
| GHK-CU | 95.30 mg | 99.28% |
| LC-MS | HPLC | RP-HPLC |

| ENDOTOXIN | RESIDUAL SOLVENTS | HEAVY METALS |
|---|---|---|
| PASS | PASS | PASS |
| LAL | GC-MS | ICP-OES |

## RESULTS SUMMARY

| TEST PANEL | METHOD | SPECIFICATION | RESULT | STATUS |
|---|---|---|---|---|
| **Identity Verification** | LC-MS | - | GHK-Cu | TESTED |
| **Potency (Assay)** | HPLC | - | 95.30 mg | TESTED |
| **Purity** | RP-HPLC | ≥ 98.0% | 99.28% | TESTED |
| **pH** | Probe | 5.0 – 8.0 | 6.3 | PASS |
| **Water Activity** | Probe | - | 0.35 aw | PASS |
| **Endotoxin** | LAL | ≤ 0.05 EU/mg | Pass | PASS |
| **Sterility** | USP <71> | No Growth | Pass | PASS |
| **Total Yeast & Mold** | USP <61>/<62> | Within Limits | Pass | PASS |
| **Residual Solvents** | GC-MS | - | Pass | PASS |
| **Heavy Metals** | ICP-OES | Within Limits | Pass | PASS |



QUALITY GUARANTEED

**Analyst**
Bryan Zahakaylo
Date: August 8, 2026

ND = Not Detected, NR = Not Reported, LOD = Limit of Detection, and LOQ = Limit of Quantitation. Results reported herein relate only to the specific sample tested. Optiq Health Labs, LLC makes no claims regarding the efficacy, safety, suitability, purity, sterility, or other risks associated with any detected or non-detected compounds, analytes, or reported values. This Certificate of Analysis shall not be reproduced except in full, without the written approval of Optiq Health Labs, LLC. This Certificate of Analysis is limited to the sample received and tested by the laboratory and does not represent or warrant the quality, composition, or characteristics of any other sample, lot, batch, product, or material. Any statements, representations, labeling, or claims regarding the intended use, application, or purpose of the tested material are solely those of the client and do not constitute, imply, or reflect any recommendation, endorsement, certification, or intended use determination by Optiq Health Labs, LLC.

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## Residual Solvents

Instrument: **GC-MS** Analysis Date: **August 8, 2026** **PASS**

| Analyte | LOD (µg/g) | LOQ (µg/g) | Action Limit (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|---|
| **Propane** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Butane** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Methanol** | 15.4688 | 46.875 | 3000 | **0** | **PASS** |
| **Ethylene Oxide** | 0.1547 | 0.4688 | 1 | **0** | **PASS** |
| **Pentane** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Ethanol** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Ethyl Ether** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Acetone** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Isopropyl Alcohol** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Acetonitrile** | 15.4688 | 46.875 | 410 | **0** | **PASS** |
| **Methylene Chloride** | 0.1547 | 0.4688 | 1 | **0** | **PASS** |
| **n-Hexane** | 15.4688 | 46.875 | 290 | **0** | **PASS** |
| **Ethyl Acetate** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Chloroform** | 0.1547 | 0.4688 | 1 | **0** | **PASS** |
| **Benzene** | 0.1547 | 0.4688 | 1 | **0** | **PASS** |
| **1,2-Dichloroethane** | 0.1547 | 0.4688 | 1 | **0** | **PASS** |
| **Heptane** | 15.4688 | 46.875 | 5000 | **0** | **PASS** |
| **Trichloroethylene** | 0.1547 | 0.4688 | 1 | **0** | **PASS** |
| **Toluene** | 15.4688 | 46.875 | 890 | **0** | **PASS** |
| **Total Xylenes (m, p)** | 23.2032 | 70.3125 | - | **0** | **PASS** |
| **Total Xylenes (o)** | 23.2032 | 70.3125 | - | **0** | **PASS** |
| Total Xylenes | - | - | 2170 | ND | **PASS** |

## Heavy Metals

Instrument: **ICP-OES** Analysis Date: **August 8, 2026** **PASS**

| Analyte | LOD (µg/g) | LOQ (µg/g) | Action Limit (µg/g) | Result (µg/g) | Status |
|---|---|---|---|---|---|
| Arsenic | 0.015 | 0.05 | 0.2 | ND | **PASS** |
| Cadmium | 0.0113 | 0.05 | 0.2 | ND | **PASS** |
| Lead | 0.00615 | 0.05 | 0.5 | ND | **PASS** |
| Mercury | 0.00126 | 0.005 | 0.1 | ND | **PASS** |



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