

ILS Laboratories

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

GHK-Cu - 50mg

Tested for: Voltera Sciences
www.VolteraSciences.com

COA #: COA-2026-413214
Lot Number: GU50-06152026
Accession #: ACC-2026-2032
Labeled Content: 50mg

Analysis Date: 05/08/2026
Appearance: Good
Sample Matrix: Lyophilized
Vial Size: 3mL
Date Received: 05/05/2026

PASS



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

Method: Full QC Panel

Identity	Peptide Purity
GHK-Cu	99.71%

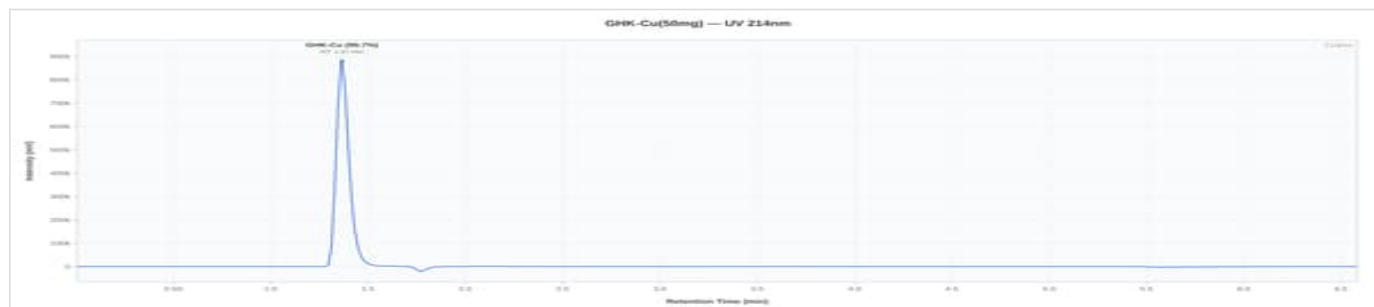
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.71%	%	PASS
Net Peptide Content	Report Only	53.04	mg	N/A
Identity (HPLC-RTM)	GHK-Cu	Confirmed	-	PASS



GHK-Cu 50mg - GU50-06152026

HPLC Chromatogram



Representative chromatogram, Conformity V1

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.71%	53.04 mg	Confirmed	PASS
Conformity V1	98.82%	53.03 mg	Confirmed	PASS
Mean	99.26%	53.03 mg	—	—
Std Dev	0.4450%	0.0050 mg	—	—



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
6/29/2026

COA #: COA-2026-413214
Access Code: UZSMMNVK
Verify: portal.ils-lab.com/verify/luAar3VspyrZKjas
Issued: 6/29/2026

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	Not Detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 ppm	Not Detected	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	0.055 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: 06/27/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be GHK-Cu 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 V1 (98.82% purity, closest to batch mean of 99.26%).




Dr. Greg Kalyuzhny
Lab Director
6/29/2026

COA #: COA-2026-413214
Access Code: UZSMMNVK
Verify: <portal.ils-lab.com/verify/luAar3VspyrZKjas>
Issued: 6/29/2026

Client: Voltera

Certified: 05/14/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	GHK-Cu	Form	Lyophilized powder
Batch	GHK.05.02.2026	Labeled Qty	100 mg
Mol. Formula	C14H24N6O4Cu	CAS Number	49557-75-7
Cap Color	Clear	Crimp Color	Silver

TEST RESULTS

	REFERENCE STANDARD	RESULT
Batch Avg Purity	(>98%)	99.981%
Batch Avg Net Content	(100mg ± 10%)	107.91 mg
Identity Confirmation (LC-MS)	(GHK-Cu)	GHK-Cu
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS
Microbial Sterility Screen	(No Growth)	No Growth

HEAVY METAL SCREENING

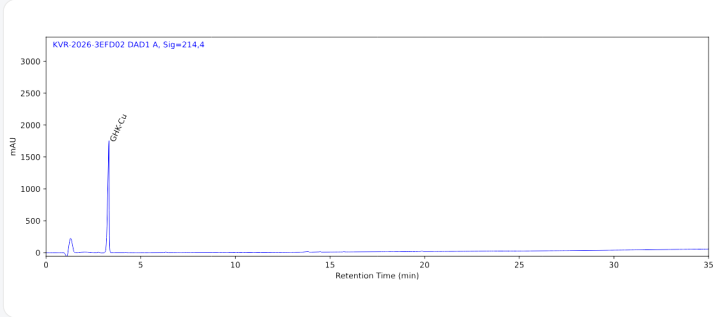
Analyte	Result	Status
Arsenic (As)	Negative	
Cadmium (Cd)	Negative	
Lead (Pb)	Negative	
Mercury (Hg)	Negative	

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.977	107.87
Vial 2	99.984	107.96
Batch Average	99.981%	107.91 mg

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm



Lemar Arghandinal
Lab Director



koveralabs.com/verify

Report#: KVR-2026-3EFD02
Access Code: YO9PJZ4