CoreMass Laboratories

Certificate of Analysis

Independent analytical testing · Alberta, Canada · info@coremasslaboratories.com

REPORT NO.
VOLT3211802

ISSUED
Nov 13, 2026

SAMPLE
GHK-Cu
50 mg vial

HPLC PURITY
99.40%

IDENTITY
Confirmed

NET CONTENT
59.54 mg



Vial as received

CLIENT	Volta Peptides
ORDER ID	321027
LOT / BATCH	VPGC50101
LABEL CLAIM	50 mg
APPEARANCE	Blue lyophilized powder
VIALS RECEIVED	2
RECEIVED	Nov 11, 2026
ANALYSIS COMPLETED	Nov 13, 2026

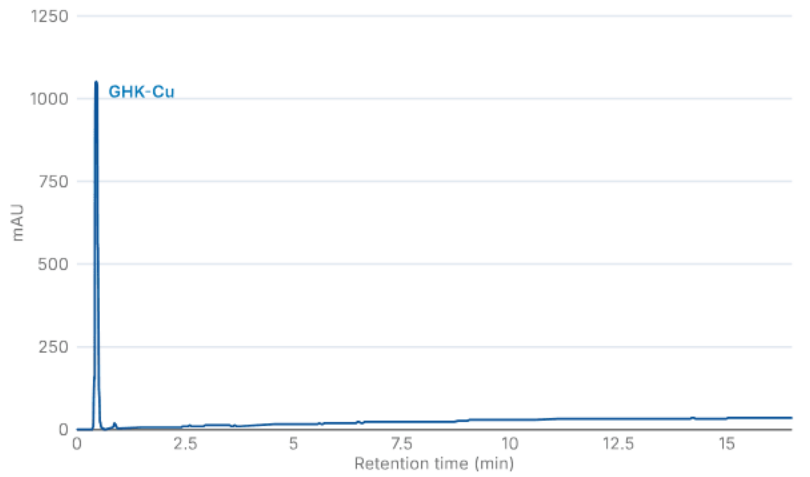
TEST PANELS

✓ All 7 requested panels meet specification or are reported

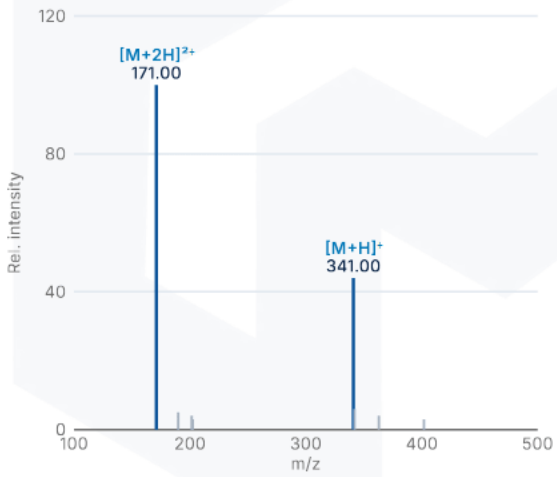
	PANEL AND METHOD	SPECIFICATION	RESULT	STATUS
01	**Purity** Reversed-phase HPLC with UV detection, area percent	≥ 98.0%	**99.40%**	✓ Conforms
02	**Identity** HPLC coupled with electrospray mass spectrometry	Matches GHK-Cu	**Confirmed** GHK-Cu	✓ Conforms
03	**Net Peptide Content** Quantified against a calibrated reference-standard curve	Report only	**59.54 mg** GHK-Cu	Reported
04	**Bacterial Endotoxin** Limulus Amebocyte Lysate (LAL) assay per USP <85>	Pass	**Pass**	✓ Conforms
05	**Microbial Screen** Polymerase chain reaction, microbial DNA	Not detected	**Not detected**	✓ Conforms
06	**Elemental Impurities** ICP-MS · As, Cd, Pb, Hg	Below limits	**Pass**	✓ Conforms
07	**Fentanyl Screen** Targeted fentanyl screen	Not detected	**Not detected**	✓ Conforms

CHROMATOGRAM AND MASS CONFIRMATION

HPLC-UV · PDA — GHK-Cu 0.45 min · purity 99.40%



LC-MS · ESI positive — GHK peptide ions



Verify this report

Scan the QR code or enter the report number at coremasslaboratories.com. Full panel data is on page 2.

Results relate only to the sample as received. Sample names, lot numbers and label claims are supplied by the client and are not independently verified. Research-use laboratory testing, not a clinical or diagnostic service. CoreMass Laboratories does not manufacture, sell or endorse any tested material. Reproduce only in full.

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Analytical Detail

REPORT NO.
VOLT3211802
GHK-Cu · Nov 13, 2026

01 Purity

✓ Conforms

Reversed-phase HPLC with UV detection, area percent

Sample 1 **99.40%** Sample 2 **99.42%**

Sample	Purity (area %)	Status
Sample 1	99.40	Pass
Sample 2	99.42	Pass

GHK-Cu peak area as a share of total integrated peak area.

02 Identity

✓ Conforms

HPLC coupled with electrospray mass spectrometry

Target	Result	Status
GHK-Cu	Confirmed	Pass

Identity confirmed as GHK-Cu by LC-MS.

03 Net Peptide Content

Reported

Quantified against a calibrated reference-standard curve

Label claim **50 mg**

Vial	Net content	% of label claim
Vial 1	59.54 mg	119.1%
Vial 2	57.61 mg	115.2%

Measured GHK-Cu content per vial, with percent of the 50 mg label claim.

04 Bacterial Endotoxin

✓ Conforms

Limulus Amebocyte Lysate (LAL) assay per USP <85>

Assay sensitivity **≤ 0.05 EU/mL** Replicates **2**

Measure	Assay sensitivity	Status
Replicate 1	≤ 0.05 EU/mL	Pass
Replicate 2	≤ 0.05 EU/mL	Pass

Endotoxin testing performed using Limulus Amebocyte Lysate assay in accordance with USP <85> under validated laboratory conditions.

05 Microbial Screen

✓ Conforms

Polymerase chain reaction, microbial DNA

Assay **PCR, common microbial contaminants**

Target	Result	Status
Microbial DNA	No detectable microbial DNA	Pass

Detects microbial DNA. Does not distinguish live from dead organisms and is not a USP <71> culture sterility test.

06 Elemental Impurities

✓ Conforms

ICP-MS · As, Cd, Pb, Hg

Elements **As, Cd, Pb, Hg**

Element	Result	Status
Arsenic (As)	Below reporting/specification limit	Pass
Cadmium (Cd)	Below reporting/specification limit	Pass
Lead (Pb)	Below reporting/specification limit	Pass
Mercury (Hg)	Below reporting/specification limit	Pass

Arsenic, cadmium, lead and mercury were below reporting/specification limits.

07 Fentanyl Screen

✓ Conforms

Targeted fentanyl screen

Analyte	Result	Status
Fentanyl	No fentanyl detected	Pass

No fentanyl detected.

Reading this report

- **Conforms** means the result met the listed specification. **Reported** means a measured value with no pass or fail limit.
- Purity is the share of detected material that is the target compound. Net content is the measured amount in the vial. A sample can be highly pure and still hold less than its label states.
- ND means not detected, below the limit of detection (LOD). LOQ is the limit of quantification.
- Endotoxin and PCR testing use their own sealed vials, listed on each panel.

SHA-256 REPORT HASH

4587f5321a4a76a82df7475bcde9c6d8b357b5ef1f3820e4a9fe205e1afd9985

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