Axiom ANALYTICS

CERTIFICATE OF ANALYSIS · 4X ESSENTIAL PANEL

Axiom Analytics Labs LLC
Sacramento, California, USA

AX-2026-2555-2EW3

GHK-Cu/KPV · Lot CP-GHKP-2611
Issued Nov 11, 2026 PT
Verify: 8676-427A-3A4A

SCAN TO VERIFY

PASS — ALL SPECIFICATIONS MET

4 of 4 layers complete

L1	L2	L3	L4
Identity	Purity	Net Peptide Content	Sterility

Sample & Vial Validation



Photograph associated with this sample

MORE VIEWS OF VIAL A



Vial A · left



Vial A · right

Brand	**ChoicePeps**	Product	**GHK-Cu/KPV**
Lot / Batch	**CP-GHKP-2611**	Label Claim	**120 mg**
Matrix	**lyophilized powder**	Sample Count	**1**
Vial Size	**5mL**	Cap Color	**Translucent Dark Blue**
Crimp Color	**Silver / Aluminum**	Contents Color	**Blue**
Seal Intact	**Yes**	Condition	**sealed, intact**
Received	**Nov 9, 2026 PT**	Sampling	**client submitted**

Test Results

Test	Specification	Result	
Identity research screen	every declared component within ±1 Da of its own theoretical mass	`2 of 2 components confirmed`	PASS
Purity validated in house	each declared component at or above its own locked purity criterion	`Component mean 99.54%`	PASS
Net Peptide Content research screen	each declared component within its own locked content criterion, at the declared ratio	`115.56 mg`	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	`Target DNA not detected`	PASS

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

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Layer Results

1 Identity

HILIC-ESI-MS intact GHK-Cu full-scan/isotope identity + LC-MS (ESI+) accurate mass

2 of 2 components confirmed — every declared component within ±1 Da of its own theoretical mass — PASS

Component	Its criterion	Observed	Status
GHK-Cu	402.92 Da · acceptance ±1 Da · average	402.917 Da · mass error -0.003 Da (-7.4 ppm)	PASS
KPV	342.44 Da · acceptance ±1 Da · average	342.437 Da · mass error -0.003 Da (-8.8 ppm)	PASS

Acceptance	**within ±1 Da**	Vial A	**2 of 2 components confirmed**
GHK-Cu intact-complex determination	**Sample-level HILIC-ESI-MS; separate from the per-vial accurate-mass component screen**	Recorded matched-standard response	**402.11 m/z**
Published-literature comparator criterion	**402.11 m/z ±0.10 Da (inclusive 402.01–402.21 m/z)**	Actual sample intact-complex response	**402.11 m/z**
Difference from published-literature comparator	**+0 Da**	Same-run matched-standard comparison	**confirmed**
Natural copper isotope envelope	**confirmed**		

2 Purity

HILIC-CAD homogeneity (universal detection) + RP-HPLC 214 nm area% (USP <621>)

Component mean 99.54% — each declared component at or above its own locked purity criterion — PASS

Component	Its criterion	Observed	Status
GHK-Cu	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.72%	PASS
KPV	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.35%	PASS

Acceptance	**Each component NLT 99.25 area %**	Vial A	**Component mean 99.54% · PASS**

3 Net Peptide Content

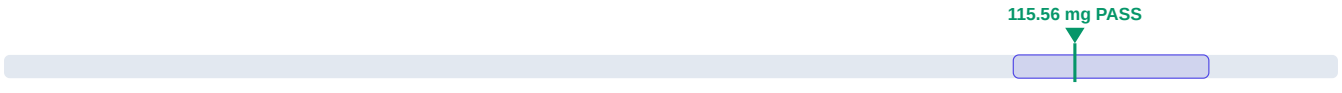
Quantitative HPLC vs reference std

115.56 mg — each declared component within its own locked content criterion, at the declared ratio — PASS

Component	Its criterion	Observed	Status
GHK-Cu	90–110 mg (100 mg ±10%)	96.07 mg	PASS
KPV	18–22 mg (20 mg ±10%)	19.49 mg	PASS

Ratio, in the table's component order: observed **4.93 : 1.00** against declared **5.00 : 1.00** · source Axiom SPEC-CONTENT-001

Target	**120.00 mg (±10%)**	Vial A	**115.56 mg · PASS**



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4 Sterility · Rapid PCR

Rapid Microbial DNA Screen (qPCR target panel)

Target DNA not detected — Rapid PCR screen — PASS

Target panel	**Pan-bacterial 16S rRNA gene (VIC), Pan-fungal 18S rRNA gene (FAM)**

Run controls valid.

Reporting Scope & Limitations

[Sterility · Rapid PCR] Rapid PCR screen for microbial DNA. It detects DNA from live and dead organisms and is not a USP <71> sterility test or a USP <61> count. Full USP <71> sterility testing is available as an add-on.

Digital Signatures

Analyst	**Alana Reeves**	Analyst Signature	**ed25519:e5f8726282bff1524a09e16e...**
Technical Reviewer	**Michael Niles**	Reviewer Signature	**ed25519:db932b306cd97aaf9c278809...**
Laboratory Director	**Daniel Brennan**	Director Signature	**ed25519:a23caf6254254e486be19161...**

Testing is performed within Axiom's laboratory network under Axiom's methods. Every result is reviewed and released by Axiom, which issues and is responsible for this certificate. Axiom Analytics does not hold ISO/IEC 17025 accreditation. Samples are identified to the testing laboratory by an internal lot ID only. The method status of each result is shown beside it.

Each signature is an Ed25519 signature over the SHA-384 hash of this report. Scan the QR code or verify it yourself at https://axiomanalyticslab.com/verify/AX-2026-2555-2EW3.

✓ **CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)**

SHA-384: 7e806d1144a6c8f980a200799e0a84c9102a08e19e1122938be42322207d2767...

Seal: ed25519:bde6a56c4d327330013e32dd1c9a1dceac119549...

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