Axiom ANALYTICS

CERTIFICATE OF ANALYSIS · 4X ESSENTIAL PANEL + 1 ADD-ON LAYER (L8)

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US

SCAN TO VERIFY

AX-2026-2439-V3BW

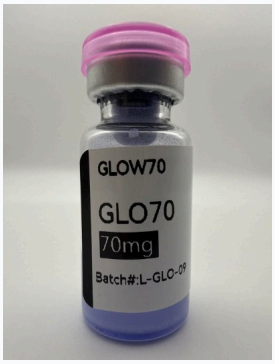
GLOW 70 mg · Lot L-GLO-09
Issued Oct 15, 2026 PT · v1
Verify: 4545-0102-3779

PASS — ALL SPECIFICATIONS MET

5 of 5 layers complete

L1	L2	L3	L4	L8
Identity	Purity	Net Peptide Content	Sterility	Fentanyl Screen

Sample & Vial Validation



Vial A: as received & analyzed

MORE VIEWS OF VIAL A



Vial A · right

Brand	**Research Vault Group**	Product	**GLOW 70 mg**
Lot / Batch	**L-GLO-09**	Label Claim	**BPC-157 10 mg / GHK-Cu 50 mg / TB-500 10 mg**
Matrix	**Lyophilized powder**	Sample Count	**1**
Vial Size	**3mL**	Cap Color	**Translucent Pink**
Crimp Color	**Silver / Aluminum**	Contents Color	**Blue**
Seal Intact	**Yes**	Condition	**sealed, intact**
Received	**Oct 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	3 of 3 components confirmed	PASS
Purity validated in house	each declared component at or above its own locked purity criterion	99.77%	PASS
Net Peptide Content research screen	each declared component within its own locked content criterion, at the declared ratio	72.41 mg	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	Target DNA not detected	PASS
Fentanyl Screen research screen	no fentanyl or analog at or above 1 ng/mg	none detected	PASS

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Layer Results

1 Identity

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

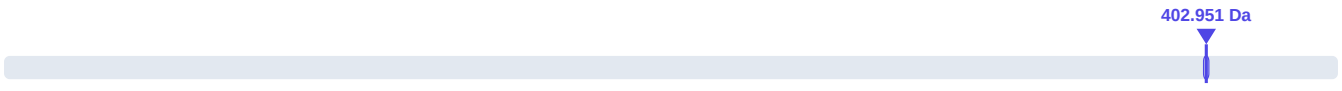
3 of 3 components confirmed
every declared component within ±1 Da of its own theoretical mass

PASS

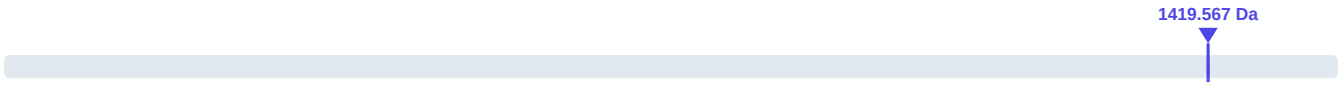
Component	Its criterion	Observed	Status
GHK-Cu	402.92 Da · acceptance ±1 Da · average	402.951 Da	PASS Recorded component call: PASS Calculated comparison: within criterion Signed layer call: PASS
BPC-157	1419.556 Da · acceptance ±1 Da · average	1419.567 Da	PASS Recorded component call: PASS Calculated comparison: within criterion Signed layer call: PASS
TB-500 (Thymosin B4)	4963.506 Da · acceptance ±1 Da · average	4963.552 Da	PASS Recorded component call: PASS Calculated comparison: within criterion Signed layer call: PASS

Theoretical mass	**4963.506 Da**	Acceptance	**within ±1 Da**
Vial A	**3 of 3 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	**403.38 m/z**	Qualified matched-standard criterion	**403.38 m/z ±1.00 Da (inclusive 402.38–404.38 m/z)**
Actual sample intact-complex response	**403.38 m/z**	Difference from qualified matched standard	**+0 Da**
Same-run matched-standard comparison	**confirmed**	Natural copper isotope envelope	**confirmed**

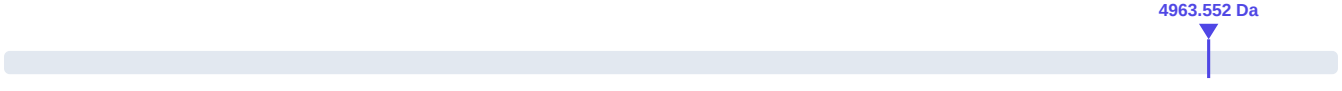
Component	Theoretical	Observed	Mass error	Identity
GHK-Cu	402.92 Da	402.951 Da	+0.031 Da (76.9 ppm)	CONFIRMED
BPC-157	1419.556 Da	1419.567 Da	+0.011 Da (7.7 ppm)	CONFIRMED
TB-500 (Thymosin B4)	4963.506 Da	4963.552 Da	+0.046 Da (9.3 ppm)	CONFIRMED



GHK-Cu accurate mass against its identity tolerance: 402.92 Da ± 1 Da (average)



BPC-157 accurate mass against its identity tolerance: 1419.556 Da ± 1 Da (average)



TB-500 (Thymosin B4) accurate mass against its identity tolerance: 4963.506 Da ± 1 Da (average)

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2 Purity

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

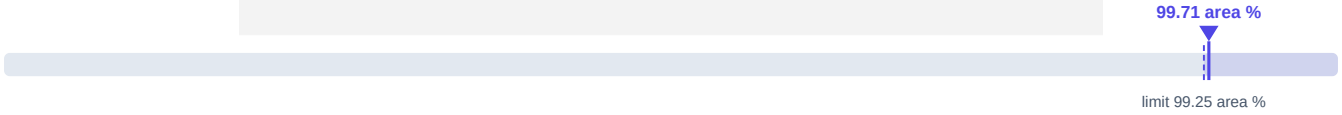
99.77% each declared component at or above its own locked purity criterion — PASS

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	99.9%	PASS Recorded component call: not recorded Calculated comparison: within criterion Signed layer call: PASS
BPC-157	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.71%	PASS Recorded component call: not recorded Calculated comparison: within criterion Signed layer call: PASS
TB-500 (Thymosin B4)	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.7%	PASS Recorded component call: not recorded Calculated comparison: within criterion Signed layer call: PASS

Acceptance — **Each component NLT 99.25 area %** — Vial A — **99.77% · PASS**



GHK-Cu purity against its criterion: NLT 99.25 area %



BPC-157 purity against its criterion: NLT 99.25 area %



TB-500 (Thymosin B4) purity against its criterion: NLT 99.25 area %

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3 Net Peptide Content

Quantitative HPLC vs reference std

72.41 mg
each declared component within its own locked content criterion, at the declared ratio

PASS

Component	Its criterion	Observed	Status
GHK-Cu	5 parts · 45–55 mg · Declared blend recipe on the controlled Axiom catalog record for Glow (component ratio 5); acceptance ±10% per Axiom SPEC-CONTENT-001	51.59 mg	PASS Recorded component call: not recorded Calculated comparison: within criterion Signed layer call: PASS
BPC-157	1 part · 9–11 mg · Declared blend recipe on the controlled Axiom catalog record for Glow (component ratio 1); acceptance ±10% per Axiom SPEC-CONTENT-001	10.39 mg	PASS Recorded component call: not recorded Calculated comparison: within criterion Signed layer call: PASS
TB-500 (Thymosin B4)	1 part · 9–11 mg · Declared blend recipe on the controlled Axiom catalog record for Glow (component ratio 1); acceptance ±10% per Axiom SPEC-CONTENT-001	10.43 mg	PASS Recorded component call: not recorded Calculated comparison: within criterion Signed layer call: PASS

Observed ratio **GHK-Cu 4.97 : BPC-157 1.00 : TB-500 (Thymosin B4) 1.00** against declared **GHK-Cu 5.00 : BPC-157 1.00 : TB-500 (Thymosin B4) 1.00** · source Declared blend recipe on the controlled Axiom catalog record for Glow (component ratio 5); acceptance ±10% per Axiom SPEC-CONTENT-001

Target	**70 mg (±10%)**	Confirmed container volume	**Unknown**
Content concentration	**Unknown**		

4 Sterility · Rapid PCR

Rapid Microbial DNA Screen (qPCR target panel)

Target DNA not detected
Rapid PCR screen

PASS

Result	**Target DNA not detected**	Acceptance	**Rapid PCR screen**
Target panel	**Pan-bacterial 16S rRNA gene (VIC), Pan-fungal 18S rRNA gene (FAM)**		

Run controls valid.

8 Fentanyl Screen

LC-MS/MS targeted adulterant screen

none detected
no fentanyl or analog at or above 1 ng/mg

PASS

Result	**Not detected**	Detection limit	**1 ng/mg**
Analytes screened	**Fentanyl, Acetylfentanyl, Acrylfentanyl, Butyrylfentanyl, Carfentanil, Cyclopropylfentanyl, Furanylfentanyl, Methoxyacetylfentanyl, ortho-Fluorofentanyl, Valerylfentanyl, 4-ANPP (despropionyl fentanyl)**	Source container	**A**

Reporting Scope & Limitations

[Sterility · Rapid PCR] DNA-target research screen only. It detects microbial DNA from viable and non-viable organisms alike, and is neither viable-CFU enumeration under USP <61> nor a batch sterility determination under USP <71>.

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`[Fentanyl Screen]` Targeted LC-MS/MS adulterant screen, reported as detected or not detected against its stated detection limit. A harm-reduction research screen, not an exhaustive adulterant panel.

Digital Signatures

Analyst	**Alana Reeves**	Analyst Signature	**ed25519:a4ddeddf5f7f733d8b7af533...**
Technical Reviewer	**Michael Niles**	Reviewer Signature	**ed25519:8e4351176f75f3d0352cc449...**
Laboratory Director	**Daniel Brennan**	Director Signature	**ed25519:d2c2d95e374237cc79558ff8...**

Where physical instrument analysis is performed, it takes place within Axiom Analytics' laboratory network, allocated at Axiom's discretion based on method, capacity, and order volume. Axiom Analytics performs sample accession, chain of custody, analytical oversight, and data review, and issues and is responsible for this certificate. Where analysis is subcontracted, the method is performed within the partner laboratory's published ISO/IEC 17025 scope of accreditation for that method, not merely at a laboratory holding ISO/IEC 17025 accreditation. Axiom Analytics does not itself currently hold ISO/IEC 17025 accreditation. The method-validation status of each reported result is identified beside that result. Partner laboratory identities are not disclosed: where samples are analyzed under double-blind conditions, they are identified only by an internal lot ID.

Each signature is an ed25519 signature over the SHA-384 hash of this report. Scan the QR on the letterhead or verify independently at https://axiomanalyticslab.com/verify/AX-2026-2439-V3BW.

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

`SHA-384: 1b0bc48bc84a3ea626731d013242878ec431897e217fd2ed2adf1ac65a87e120...`

`Seal: ed25519:b6f9ab9eb0bbbc8502777fd933eebbb93884dadd...`

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RESEARCH VAULT