



PASS — ALL SPECIFICATIONS MET

4 of 4 layers complete

L1 Identity	L2 Purity	L3 Net Peptide Content	L4 Sterility
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Sample & Vial Validation

 Vial A: as received & analyzed	Client	Old Glory Aminos	Product	Glutathione 600MG (Glutathione)
	Lot / Batch	GLUTAT-600MG-2609-7C8	Label Claim	600 mg
	Matrix	lyophilized powder	Sample Count	1
	Vial Size	10mL	Cap Color	Purple
	Crimp Color	Silver / Aluminum	Contents Color	White
	Seal Intact	Yes	Condition	sealed, intact
	Received	Sep 13, 2026	Sampling	client submitted

Test Results

Test	Reference standard	Result	
Identity	every vial within ± 1 Da of 307.321 Da	307.321 Da	PASS
Purity	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.93%	PASS
Net Peptide Content	each declared component within its own locked content criterion, at the declared ratio	1 of 1 components within criterion	PASS
RP-HPLC purity	99.25–100 % area	99.93 % area	PASS
Net content	90–110 % of label	101.39 % of label	PASS
Sterility · Rapid PCR	Rapid PCR screen	Target DNA not detected	PASS

Layer Results


1 Identity

LC-MS/MS (ESI+)

1 physical-vial mass observation

each +/- 1 Da (theor. 307.321)

PASS
Identity confirmed: Glutathione 600MG (Glutathione)

 Theoretical mass **307.321 Da** Acceptance **+/- 1 Da**

Vial	Observed mass	Mass error	Status
Vial A	307.321 Da	+0 Da	PASS

307.32 Da PASS

Observed mass matches the theoretical mass within tolerance; identity confirmed.

2 Purity

RP-HPLC 214nm (USP 621)

Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

1 physical-vial purity observation
PASS

Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

Vial	Purity	Status
Vial A	99.93%	PASS

99.93% PASS

limit 99.25%

3 Net Peptide Content

Quantitative HPLC vs reference std

1 of 1 components within criterion

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

PASS

Component	Its criterion	Observed	Status
Declared total content	540–660 mg · expected: Axiom catalog source-recovery direction — catalog-completion:2026-09-03#canonical-presentation; acceptance: Axiom dimensional compendium decision T022/D001 — axiom_owner_decision:T022/D001	608.34 mg	PASS

4 Sterility

Rapid Microbial DNA Screen — Qualification-Bound Target Panel

Sterility · Rapid PCR: No Growth

No microbial growth or target DNA detected

PASS
Sterility · Rapid PCR

 Result **No Growth** Specification **Rapid PCR screen**
PASS

Run controls valid.

Reporting Scope & Limitations
[Purity] The chromatographic trace was not retained for this certificate. The purity value and its acceptance limit are unaffected.

[Identity] The mass spectrum was not retained for this certificate. Identity is reported from the recorded accurate mass against its theoretical value.

[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>.



CERTIFICATE OF ANALYSIS · 4X ESSENTIAL PANEL

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

AX-2026-4627-C5Q2

Glutathione 600MG (Glutathione) · Lot GLUTAT-600MG-2609-7C8
Issued Sep 15, 2026 · v3
Verify: 93B3-898B-2B9E



Digital Signatures

Analyst	Alana Reeves	Analyst Signature	ed25519:3e9a5a9bc9bbe87eadbcf2df...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:5c37511d1aab5af2ba31eac4...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:de6347676824e0aef5d9ba4b...

Physical instrument analysis is performed 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: samples are analyzed under double-blind conditions, 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-2026-4627-C5Q2>.

✓ CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: 09b525145bad59ff37b7d2198e57cd9787ffdf1f9553e7a1142fef8ed958d037...
Seal: ed25519:f3c74340374c36c753f30ef3436b9641032a2769...

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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