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

AX-2026-4930-HQ2H

Lipo-C 120 · Lot T-LIP-0057
Issued Oct 1, 2026 · v1
Verify: 1B9E-00B2-2110

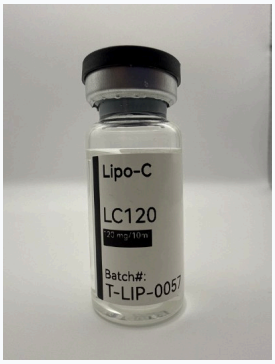
SCAN TO VERIFY

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

Client	**TIDETRON PEPTIDE**	Product	**Lipo-C 120**
Lot / Batch	**T-LIP-0057**	Label Claim	**Methionine 15 mg + Choline Chloride 50 mg + Carnitine 50 mg + Dexpanthenol 5 mg per mL; 10 mL vial (120 mg/mL)**
Matrix	**solution**	Sample Count	**1**
Cap Color	**Black**	Crimp Color	**Silver / Aluminum**
Contents Color	**White**	Seal Intact	**Yes**
Condition	**sealed, intact**	Received	**Sep 24, 2026**
Sampling	**client submitted**		

Test Results

Test	Specification	Result	
Identity validated in house	every declared component within ±1 Da of its own theoretical mass	`4 of 4 components confirmed`	PASS
Purity validated in house	each declared component at or above its own locked purity criterion	`4 of 4 components within criterion`	PASS
Net Peptide Content research screen	each declared component within its own locked content criterion, at the declared ratio	`126.94 mg of 120 mg declared (+5.8%), 4 of 4 components within criterion`	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

Layer Results

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.

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

AX-2026-4930-HQ2H

Lipo-C 120 · Lot T-LIP-0057
Issued Oct 1, 2026 · v1
Verify: 1B9E-00B2-2110

SCAN TO VERIFY

1 Identity

LC-MS (ESI+) accurate mass + HILIC-MS/MS, per-analyte MRM transition

4 of 4 components confirmed
each +/- 1 Da of its component mass

PASS

Component	Its criterion	Observed	Status
L-Methionine	149.208 Da · acceptance ±1 Da · average	149.235 Da	PASS
Choline chloride	139.623 Da · acceptance ±1 Da · average	139.636 Da	PASS
L-Carnitine	161.201 Da · acceptance ±1 Da · average	161.197 Da	PASS
Dexpanthenol (B5)	205.254 Da · acceptance ±1 Da · average	205.402 Da	PASS

2 Purity

HILIC-CAD homogeneity (universal detection)

4 of 4 components within criterion
each component at or above its own locked purity criterion

PASS

Component	Its criterion	Observed	Status
L-Methionine	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.74%	PASS
Choline chloride	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.32%	PASS
L-Carnitine	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.62%	PASS
Dexpanthenol (B5)	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.59%	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.

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

AX-2026-4930-HQ2H

Lipo-C 120 · Lot T-LIP-0057
Issued Oct 1, 2026 · v1
Verify: 1B9E-00B2-2110

SCAN TO VERIFY

3 Net Peptide Content

Quantitative HPLC vs reference std

126.94 mg of 120 mg declared (+5.8%), 4 of 4 components within criterion

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

PASS

Component	Its criterion	Observed	Status
L-Methionine	15 parts · 13.5–16.5 mg · Composition from the Axiom compendium blend record (ratio in catalog order); acceptance band from Axiom SPEC-CONTENT-001 (+/-10.0% of declared target mass), applied per component. Internal specification applied at component scope - not a compendial per-component limit. The absolute target is computed from the DECLARED claim on each accession, never from a stored target. Proportions derived from the declared per-mL composition. Declared amount: "Methionine" 15 mg per mL on the Lipo-C 120 product specification ca032830-1038-5599-9859-40fc720aa4f0 (revision 1, verified; product_component_specs 98432766-5561-5c13-8389-2b6a9ae94b65), source artifact 217fb6d4-c5c2-5cdf-84fa-c43067aa404d (supplier_sheet, sha256 16e191ed4d98e7210b97355cefef9c38ecca83d5ba1f2544b98e956571812b8a) at owner-supplied:supplier-catalog-images:2026-08-21#image-5:LC120; acceptance basis axiom_owner_decision:T022/D001 (artifact e4189d61-c788-5e96-afa0-e79675b8e8c4).	15.75 mg	PASS
Choline chloride	50 parts · 45–55 mg · Composition from the Axiom compendium blend record (ratio in catalog order); acceptance band from Axiom SPEC-CONTENT-001 (+/-10.0% of declared target mass), applied per component. Internal specification applied at component scope - not a compendial per-component limit. The absolute target is computed from the DECLARED claim on each accession, never from a stored target. Proportions derived from the declared per-mL composition. Declared amount: "Choline chloride" 50 mg per mL on the Lipo-C 120 product specification ca032830-1038-5599-9859-40fc720aa4f0 (revision 1, verified; product_component_specs d341aa29-e2f5-5c31-9a26-1cf4e79a8bd6), source artifact 217fb6d4-c5c2-5cdf-84fa-c43067aa404d (supplier_sheet, sha256 16e191ed4d98e7210b97355cefef9c38ecca83d5ba1f2544b98e956571812b8a) at owner-supplied:supplier-catalog-images:2026-08-21#image-5:LC120; acceptance basis axiom_owner_decision:T022/D001 (artifact e4189d61-c788-5e96-afa0-e79675b8e8c4).	52.59 mg	PASS
L-Carnitine	50 parts · 45–55 mg · Composition from the Axiom compendium blend record (ratio in catalog order); acceptance band from Axiom SPEC-CONTENT-001 (+/-10.0% of declared target mass), applied per component. Internal specification applied at component scope - not a compendial per-component limit. The absolute target is computed from the DECLARED claim on each accession, never from a stored target. Proportions derived from the declared per-mL composition. Declared amount: "L-Carnitine" 50 mg per mL on the Lipo-C 120 product specification ca032830-1038-5599-9859-40fc720aa4f0 (revision 1, verified; product_component_specs bb5b0e14-3389-5bdf-b6dd-1642485d21e4), source artifact 217fb6d4-c5c2-5cdf-84fa-c43067aa404d (supplier_sheet, sha256 16e191ed4d98e7210b97355cefef9c38ecca83d5ba1f2544b98e956571812b8a) at owner-supplied:supplier-catalog-images:2026-08-21#image-5:LC120; acceptance basis axiom_owner_decision:T022/D001 (artifact e4189d61-c788-5e96-afa0-e79675b8e8c4).	53.33 mg	PASS
Dexpanthenol (B5)	5 parts · 4.5–5.5 mg · Composition from the Axiom compendium blend record (ratio in catalog order); acceptance band from Axiom SPEC-CONTENT-001 (+/-10.0% of declared target mass), applied per component. Internal specification applied at component scope - not a compendial per-component limit. The absolute target is computed from the DECLARED claim on each accession, never from a stored target. Proportions derived from the declared per-mL composition. Declared amount: "Dexpanthenol" 5 mg per mL on the Lipo-C 120 product specification ca032830-1038-5599-9859-40fc720aa4f0 (revision 1, verified; product_component_specs 0c8fa131-2379-5cd5-a140-0e0bed1499d8), source artifact 217fb6d4-c5c2-5cdf-84fa-c43067aa404d (supplier_sheet, sha256 16e191ed4d98e7210b97355cefef9c38ecca83d5ba1f2544b98e956571812b8a) at owner-supplied:supplier-catalog-images:2026-08-21#image-5:LC120; acceptance basis axiom_owner_decision:T022/D001 (artifact e4189d61-c788-5e96-afa0-e79675b8e8c4).	5.27 mg	PASS

Observed ratio **L-Methionine 2.99 : Choline chloride 9.98 : L-Carnitine 10.12 : Dexpanthenol (B5) 1.00** against declared **L-Methionine 3.00 : Choline chloride 10.00 : L-Carnitine 10.00 : Dexpanthenol (B5) 1.00** · source Composition from the Axiom compendium blend record (ratio in catalog order); acceptance band from Axiom SPEC-CONTENT-001 (+/-10.0% of declared target mass), applied per component. Internal specification applied at component scope - not a compendial per-component limit. The absolute target is computed from the DECLARED claim on each accession, never from a stored target. Proportions derived from the declared per-mL composition. Declared amount: "Methionine" 15 mg per mL on the Lipo-C 120 product specification ca032830-1038-5599-9859-40fc720aa4f0 (revision 1, verified; product_component_specs 98432766-5561-5c13-8389-2b6a9ae94b65), source artifact 217fb6d4-c5c2-5cdf-84fa-c43067aa404d (supplier_sheet, sha256 16e191ed4d98e7210b97355cefef9c38ecca83d5ba1f2544b98e956571812b8a) at owner-supplied:supplier-catalog-images:2026-08-21#image-5:LC120; acceptance basis axiom_owner_decision:T022/D001 (artifact e4189d61-c788-5e96-afa0-e79675b8e8c4).

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.

Axiom
ANALYTICS

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

TIDETRON PEPTIDE

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

AX-2026-4930-HQ2H

Lipo-C 120 · Lot T-LIP-0057
Issued Oct 1, 2026 · v1
Verify: 1B9E-00B2-2110

SCAN TO VERIFY

4 Sterility

Rapid Microbial DNA Screen (qPCR target panel)

Sterility · Rapid PCR: Target DNA not detected
No microbial target DNA detected

PASS

Sterility · Rapid PCR

PASS

Result	**Target DNA not detected**	Specification	**Rapid PCR screen**

8 Fentanyl Screen

LC-MS/MS targeted adulterant screen

Not detected
detection limit 1 ng/mg

PASS

Analytes screened	**Fentanyl, Acetylfentanyl, Acrylfentanyl, Butyrylfentanyl, Carfentanil, Cyclopropylfentanyl, Furanylfentanyl, Methoxyacetylfentanyl, ortho-Fluorofentanyl, Valerylfentanyl, 4-ANPP (despropionyl fentanyl)**	Detection limit	**1 ng/mg**
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>.

`[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:fccf1d5457256cc4c9c11c24...**
Technical Reviewer	**Michael Niles**	Reviewer Signature	**ed25519:d094b984b4b937176183ffcb...**
Laboratory Director	**Daniel Brennan**	Director Signature	**ed25519:26922569aac0eadc0f2ec4f2...**

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-2026-4930-HQ2H.

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

`SHA-384: 5051e242838b3e524df4549dc3c5c1280bb507cf7bffe913fac5d38b6b6d3ae0...`

`Seal: ed25519:d8be9b7b0ebc1f72ae7bd15a817f5df3fe0b4942...`

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.

RESEARCH USE ONLY. All analytical testing, validation reports, and interactive Certificates of Analysis (COAs) provided by Axiom Analytics are intended strictly for Research Use Only (RUO) in in-vitro or laboratory animal model environments. Axiom Analytics does not analyze, validate, evaluate, or make any representations regarding the safety, efficacy, toxicity, or legality of any tested substance for human or animal consumption, veterinary use, clinical diagnostics, food additives, cosmetics, or household applications.

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.