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-2026-4278-UFKA

TS-TZ · Lot T-TIR-0107
Issued Oct 1, 2026 · v1
Verify: 1736-5938-7D82

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	**Thrive & Stack**	Product	**TS-TZ**
Lot / Batch	**T-TIR-0107**	Label Claim	**60 mg**
Matrix	**lyophilized powder**	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 research screen	every vial within ±1 Da of 4813.527 Da	`4813.437 Da`	PASS
Purity research screen	≥ 99.25 area %	`99.51%`	PASS
Net Peptide Content research screen	every vial within ±10% of 60 mg	`Vial A: 61.94 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

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.

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ANALYTICS

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THRIVE & STACK
CONFIDENCE IN EVERY BATCH

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1 Identity

LC-MS (ESI+)

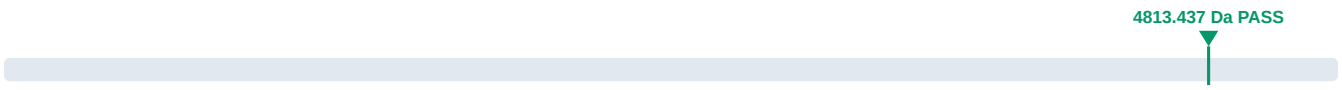
1 physical-vial mass observation
each +/- 1 Da (theor. 4813.527)

PASS

Mass consistent with 4813.527 Da (compound name withheld at the customer's request)

Theoretical mass **4813.527 Da** Acceptance **+/- 1 Da**

Vial	Observed mass	Mass error	Status
Vial A	4813.437 Da	-0.09 Da	PASS



2 Purity

RP-HPLC 214nm (USP 621)

1 physical-vial purity observation
≥ 99.25 area %

PASS

≥ 99.25 area %

Vial	Purity	Status
Vial A	99.51%	PASS

Criterion source **Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31**

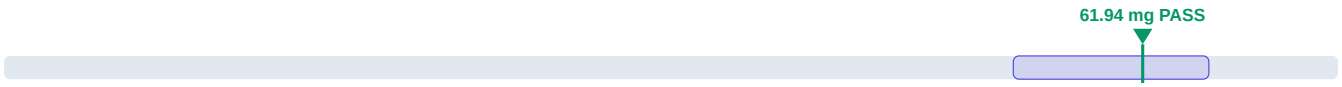


3 Net Peptide Content

Quantitative HPLC vs reference std

61.94 mg
each within +/- 10% of 60 mg

PASS



Vial	Measured	Status
Vial A	61.94 mg	PASS

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**

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SCAN TO VERIFY

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**		

Archived Observation Source Declarations

Current presentation note: Matching archived source declarations are unavailable for the reported identity, purity and content observations. This note is outside the original signed certificate record.

A matching archived LC-MS spectrum is unavailable for this certificate.

A matching archived chromatogram is unavailable for this certificate.

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:a3c077f6d648c458af71b31d...**
Technical Reviewer	**Michael Niles**	Reviewer Signature	**ed25519:8a102037e25dc33f82a212d5...**
Laboratory Director	**Daniel Brennan**	Director Signature	**ed25519:aa4bccca432951d58783cfa8...**

Current presentation note: The archived source assessment is incomplete or unavailable. This presentation does not establish physical instrument acquisition for those observations. This notice is outside the original signed certificate record. 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-2026-4278-UFKA.

Presentation corrected 2026-10-03; results and signatures unchanged.

CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: fce51397602a3f9c49540d30e43b53dec40934ab4415d91b4a7b9d5a292b1bc8...
Seal: ed25519:ecdbca4b2a4e8101626d6b73d2c92f3f66858014...

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