


AX-2026-4836-5DJN

 SS-31 · Lot T-SS3-0017
 Issued Oct 12, 2026 PT · v1
 Verify: 7222-4B16-EFDA

PASS — ALL SPECIFICATIONS MET

5 of 5 layers complete

 ■ L1
 Identity

 ■ L2
 Purity

 ■ L3
 Net Peptide Content

 ■ L4
 Sterility

 ■ L8
 Fentanyl Screen

Sample & Vial Validation


Vial A: as received & analyzed

MORE VIEWS OF VIAL A



Vial A - right

Client	APEXX BIOLABS LLC	Product	SS-31
Lot / Batch	T-SS3-0017	Label Claim	50 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 PT
Sampling	client submitted		

Test Results

Test	Specification	Result	
Identity research screen	every vial within ± 1 Da of 639.802 Da	639.878 Da	PASS
Purity research screen	≥ 99.25 area %	99.74%	PASS
Net Peptide Content research screen	every vial within $\pm 10\%$ of 50 mg	Vial A: 51.98 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



SCAN TO VERIFY

Layer Results

1

Identity

LC-MS (ESI+)

1 physical-vial mass observation

each +/- 1 Da (theor. 639.802)

PASS

Mass consistent with SS-31

Theoretical mass639.802 DaAcceptance+/- 1 Da

Vial	Observed mass	Mass error	Status
Vial A	639.878 Da	+0.076 Da	PASS

639.878 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	99.74%	PASS

Criterion sourceAxiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

99.74% PASS

limit 99.25%

3

Net Peptide Content

Quantitative HPLC vs reference std

51.98 mg

each within +/- 10% of 50 mg

PASS

51.98 mg PASS

Vial	Measured	Status
Vial A	51.98 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

ResultTarget DNA not detectedSpecificationRapid PCR screen

PASS



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		

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	ed25519:7d53dd7ab2c84ded836aee62...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:688513dc5e52f3168a9db315...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:a21eb73485652d4e9f50e618...

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-2026-4836-5DJN>.

✓ CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: 90f0e372d085f2162e8ad7cc2421a6eab4ea00f8394013baab22a7421439bca1...

Seal: ed25519:daa511cb2e689c52b4d842e90b2dcef44c7bf9cf...

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