



SCAN TO VERIFY

Axiom Analytics Laboratories
2108 N St Ste N, Sacramento, CA 95816 US
AX-2026-4913-RMF8
NU-S31 (SS-31) · Lot T-SS3-0017
Issued Oct 1, 2026 · v1
Verify: 1122-62A5-34BA

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	NU Biotech Labs	Product	NU-S31 (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
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	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
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

Layer Results



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1 Identity

LC-MS (ESI+)

1 physical-vial mass observation

each +/- 1 Da (theor. 639.802)

PASS

Mass consistent with NU-S31 (SS-31)

Theoretical mass 639.802 Da Acceptance +/- 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)

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	99.74%	PASS

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

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

ed25519:54b49231b4fd7379bf4df8ea...

Technical Reviewer

Michael Niles

Reviewer Signature

ed25519:b9904e5650cd600e5d210368...

Laboratory Director

Daniel Brennan

Director Signature

ed25519:3badbd297d1a6bdce7a42d45...

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Seal: ed25519:11f9d94453cf5c22a0b4ba03ff18d1dd8541bc15...

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