



SCAN TO VERIFY

Axiom Analytics Laboratories
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AX-2026-2785-YUKY

KPV · Lot T-KPV-0097
Issued Oct 1, 2026 · v1
Verify: E20D-A750-9C13

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	Thrive & Stack	Product	KPV
Lot / Batch	T-KPV-0097	Label Claim	30 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 342.44 Da	342.626 Da	PASS
Purity research screen	≥ 99.25 area %	99.97%	PASS
Net Peptide Content research screen	every vial within $\pm 10\%$ of 30 mg	Vial A: 30.77 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



1 Identity

LC-MS (ESI+)

1 physical-vial mass observation

each +/- 1 Da (theor. 342.44)

PASS

Mass consistent with KPV

Theoretical mass **342.44 Da** Acceptance **+/- 1 Da**

Vial	Observed mass	Mass error	Status
Vial A	342.626 Da	+0.186 Da	PASS

342.626 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	99.97%	PASS

Criterion source

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

99.97% **PASS**

limit 99.25%

3 Net Peptide Content

Quantitative HPLC vs reference std

30.77 mg

each within +/- 10% of 30 mg

PASS

30.77 mg **PASS**

Vial	Measured	Status
Vial A	30.77 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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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	ed25519:3ed598f95b06eca625d1007b...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:b5f6185b125c730859fd4cb5...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:1fb31f97a6df5731dfc0def0...

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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-2026-2785-YUKY>.

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

✓ CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: 7a0b8342fdf31134e0bc72f8a5ba22365ec39a175495cc0eb1703777c53418b4...

Seal: ed25519:8c585d9a3a98d61060c2127e9b6bf58be8956bac...

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