



SCAN TO VERIFY

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

Brand	APEXX BIOLABS LLC	Product	5-Amino-1MQ
Lot / Batch	T-5AM-0015	Label Claim	50 mg
Matrix	lyophilized powder	Sample Count	1
Cap Color	Black	Crimp Color	Silver / Aluminum
Contents Color	Orange	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 159.212 Da	159.099 Da	PASS
Purity research screen	Expected ≥ 99.25 · Acceptance ≥ 99.25 · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.84%	PASS
Net Peptide Content research screen	every vial within $\pm 10\%$ of 50 mg	Vial A: 53.42 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



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Layer Results

1 Identity

LC-MS (ESI+)

1 physical-vial mass observation

each +/- 1 Da (theor. 159.212)

PASS

Mass consistent with 5-Amino-1MQ

Theoretical mass

159.212 Da

Acceptance

+/- 1 Da

Vial	Observed mass	Mass error	Status
Vial A	159.099 Da	-0.113 Da	PASS

 159.099 Da **PASS**

2 Purity

RP-HPLC 214nm (USP 621)

1 physical-vial purity observation

Expected ≥ 99.25 · Acceptance ≥ 99.25 · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

PASS

Expected ≥ 99.25 · Acceptance ≥ 99.25 · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31

Vial	Purity	Status
Vial A	99.84%	PASS

Criterion source

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

 99.84% **PASS**

limit 99.25%

3 Net Peptide Content

Quantitative HPLC vs reference std

53.42 mg

each within +/- 10% of 50 mg

PASS

 53.42 mg **PASS**

Vial	Measured	Status
Vial A	53.42 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



SCAN TO VERIFY

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

AX-2026-2542-T4UF

5-Amino-1MQ · Lot T-5AM-0015

Issued Oct 14, 2026 PT · v1

Verify: 887D-3A0A-515E

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:c3a951e2c8921f8c49a219df...

Technical Reviewer

Michael Niles

Reviewer Signature

ed25519:93c6f207fe6ad957d894577e...

Laboratory Director

Daniel Brennan

Director Signature

ed25519:983f3091bd49ee558a5255e1...

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Seal: ed25519:6b10a239cda8abeebde8071092054a40206aff2e...

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