



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

AX-2026-1358-RH9B

MOTS-c · Lot RVA-MS-572A14
Issued Oct 20, 2026 PT · v1
Verify: C990-A8D2-811B



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	Latitude 40 Aminos	Product	MOTS-c
Lot / Batch	RVA-MS-572A14	Label Claim	20 mg
Matrix	Lyophilized powder	Sample Count	1
Vial Size	3mL	Cap Color	Black
Crimp Color	Silver / Aluminum	Contents Color	White
Seal Intact	Yes	Condition	sealed, intact
Received	Oct 1, 2026 PT	Sampling	client submitted



Test Results

Test	Specification	Result	
Identity research screen	every vial within ± 1 Da of 2174.621 Da	2174.72 Da	PASS
Purity research screen	≥ 99.25 area %	99.93%	PASS
Net Peptide Content research screen	every vial within $\pm 10\%$ of 20 mg	Vial A: 21.22 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+)

2174.72 Da

every vial within ± 1 Da of 2174.621 Da

PASS

Theoretical mass

2174.621 Da

Acceptance

within ± 1 Da

Vial A

2174.72 Da · PASS

2174.72 Da PASS

2 Purity

RP-HPLC 214nm (USP <621>)

99.93%

≥ 99.25 area %

PASS

Acceptance

$\geq 99.25\%$

Vial A

99.93% · PASS

Criterion
source

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

99.93% PASS

limit 99.25%

3 Net Peptide Content

Quantitative HPLC vs reference std

Vial A: 21.22 mg

every vial within $\pm 10\%$ of 20 mg

PASS

Target

20 mg ($\pm 10\%$)

Vial A

21.22 mg · PASS

Confirmed container volume

Unknown

Content concentration

Unknown

21.22 mg PASS

4 Sterility · Rapid PCR

Rapid Microbial DNA Screen (qPCR target panel)

Target DNA not detected

Rapid PCR screen

PASS

Result

Target DNA not detected

Acceptance

Rapid PCR screen

Target
panel

**Pan-bacterial 16S rRNA gene (VIC), Pan-fungal 18S rRNA
gene (FAM)**

Run controls valid.



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Fentanyl Screen

LC-MS/MS targeted adulterant screen

none detected

no fentanyl or analog at or above 1 ng/mg

PASS

Result	Not detected	Detection limit	1 ng/mg
Analytes screened	Fentanyl, Acetylfentanyl, Acrylfentanyl, Butyrylfentanyl, Carfentanil, Cyclopropylfentanyl, Furanylfentanyl, Methoxyacetylfentanyl, ortho-Fluorofentanyl, Valerylfentanyl, 4-ANPP (despropionyl fentanyl)	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	ed25519:04d06472824403fa87ce2fc0...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:1fe80b196ac3db719c36c088...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:ad79ada567e52cf64229ac36...

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-2026-1358-RH9B>.

✓ CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: 3d0548e6237d8574bdbc7adb9fc5e5019e7b7ecbf54ffdf83e642ded8a730d8...

Seal: ed25519:5843f3d72996ffc7cea6e91bef5bf9a18600e138...

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