



PASS — ALL SPECIFICATIONS MET

4 of 4 layers complete

L1 Identity	L2 Purity	L3 Net Peptide Content	L4 Sterility
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Sample & Vial Validation

 Vial A: as received & analyzed	Brand	Vault compounds Llc	Product	Semax
	Lot / Batch	SEMAX-2609-LQN	Label Claim	10 mg
	Matrix	lyophilized powder	Sample Count	1
	Vial Size	3mL	Cap Color	Translucent Purple
	Crimp Color	Silver / Aluminum	Contents Color	White
	Seal Intact	Yes	Condition	sealed, intact
	Received	Oct 8, 2026 PT	Sampling	client submitted

MORE VIEWS OF VIAL A



Test Results

Test	Specification	Result	
Identity research screen	every vial within ± 1 Da of 813.928 Da	813.79 Da	PASS
Purity research screen	≥ 99.25 area %	99.84%	PASS
Net Peptide Content research screen	every vial within $\pm 10\%$ of 10 mg	Vial A: 10.63 mg	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	Target DNA not detected	PASS



Layer Results

1 Identity

LC-MS (ESI+)

813.79 Da

PASS

every vial within ± 1 Da of 813.928 Da

Theoretical mass

813.928 Da

Acceptance

within ± 1 Da

Vial A

813.79 Da · PASS

813.79 Da PASS

2 Purity

RP-HPLC 214nm (USP <621>)

99.84%

PASS

≥ 99.25 area %

Acceptance

$\geq 99.25\%$

Vial A

99.84% · PASS

Criterion

Axiom Analytics SPEC-PURITY-001, Revision 1, effective

source

2026-08-31

99.84% PASS

limit 99.25%

3 Net Peptide Content

Quantitative HPLC vs reference std

Vial A: 10.63 mg

PASS

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

Target

10 mg ($\pm 10\%$)

Vial A

10.63 mg · PASS

Confirmed container volume

Unknown

Content concentration

Unknown

10.63 mg PASS

4 Sterility · Rapid PCR

Rapid Microbial DNA Screen (qPCR target panel)

Target DNA not detected

PASS

Rapid PCR screen

Result

Target DNA not detected

Acceptance

Rapid PCR screen

Target

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

panel

gene (FAM)

Run controls valid.

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>.



Digital Signatures

Analyst	Alana Reeves	Analyst Signature	ed25519:371a89482ce93168d1ed3078...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:fcee8130a608cccd4a9006f2...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:ab0d414bb9aa17a28829c1ce...

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.

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SHA-384: 282cdb35505429ad417827e15dceb7b9283d228d6f3750f81e9ea210b6f1776b...

Seal: ed25519:7c0cd54fe66d2cfdce53752ffaec1cf123d72945...

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