



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	Melanotan-1
	Lot / Batch	MEL1-2609-NUM	Label Claim	10 mg
	Matrix	lyophilized powder	Sample Count	1
	Vial Size	3mL	Cap Color	Clear
	Crimp Color	Purple	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 1646.874 Da	1646.775 Da	PASS
Purity research screen	≥ 99.25 area %	99.41%	PASS
Net Peptide Content research screen	every vial within $\pm 10\%$ of 10 mg	Vial A: 10.27 mg	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	Target DNA not detected	PASS



SCAN TO VERIFY

Layer Results

1Identity LC-MS (ESI+)			1646.775 Da every vial within ±1 Da of 1646.874 Da	PASS
Theoretical mass	1646.874 Da	Acceptance	within ±1 Da	
Vial A	1646.775 Da · PASS		1646.775 Da PASS	

2Purity RP-HPLC 214nm (USP <621>)			99.41% ≥ 99.25 area %	PASS
Acceptance	≥ 99.25%	Vial A	99.41% · PASS	
Criterion source	Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31		99.41% PASS	
			limit 99.25%	

3Net Peptide Content Quantitative HPLC vs reference std			Vial A: 10.27 mg every vial within ±10% of 10 mg	PASS
Target	10 mg (±10%)	Vial A	10.27 mg · PASS	
Confirmed container volume	Unknown	Content concentration	Unknown	
			10.27 mg PASS	

4Sterility · 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.				

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>.



SCAN TO VERIFY

Digital Signatures

Analyst	Alana Reeves	Analyst Signature	ed25519:1c06ca36a8058b7c443ba45a...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:85040950e65389ff5d3c23c3...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:bb1b9c91dd6045226b22a852...

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SHA-384: e6764e041e3afff1761b2c7afe92c73af3c015d347a17691771e9c66f3639a80d...

Seal: ed25519:5b9e771db83f8115373a505c618785f7b6a9b3c8...

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