

Client: Modern Aminos

Certified: 04/26/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	Tesamorelin/Ipamorelin	Form	Lyophilized powder
Batch	BX-P-E5J2	Labeled Qty	10 mg
Cap Color	Slate Blue	Crimp Color	Sliver

TEST RESULTS

	REFERENCE STANDARD	RESULT	
Blend Avg Purity	(>98%)	99.818%	✔
Blend Avg Net Content	(10mg ± 10%)	11.16 mg	✔
Blend Identification (LC-MS)	(Tesamorelin/Ipamorelin)	Tesamorelin/Ipamorelin	✔
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS	✔
14 Day Sterility Screening	(No Growth)	No Growth	✔

BATCH CONFORMITY RESULTS

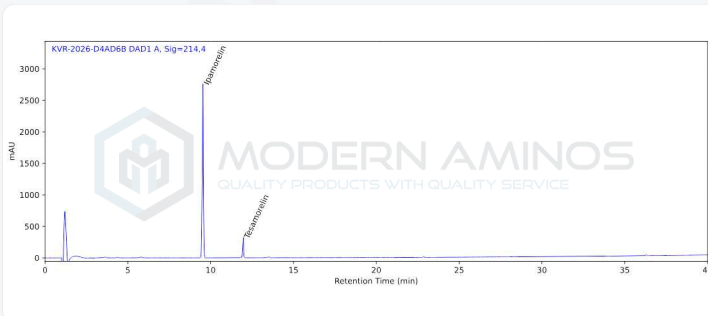
Vial	Blend Purity (%)	Blend Net Content (mg)
Vial 1	99.774	11.09
Vial 2	99.783	11.23
Vial 3	99.817	11.06
Vial 4	99.898	11.27
Batch Average	99.818%	11.16 mg

HEAVY METAL SCREENING

Analyte	Result	Status
Arsenic (As)	< 0.23	✔
Cadmium (Cd)	< 0.08	✔
Lead (Pb)	< 0.6	✔
Mercury (Hg)	< 0.4	✔

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm


 Omar Arghandinal
 Lab Director


koveralabs.com/verify

 Report#: KVR-2026-D4AD6B
 Access Code: 7IMIOLD

CLIENT & SAMPLE INFORMATION

Client	Modern Aminos	Analysis Date	April 22, 2026
Product Name	Tesamorelin/Ipamorelin	Strength	10 mg
Lot / Batch	BX-P-E5J2	Condition	Lyophilized

ICP-MS metals analysis performed using EPA-referenced methods; results evaluated against internal acceptance criteria.

TEST METHODOLOGY

Test Performed	Elemental Impurities Analysis	Instrument	ICP-MS
Sample Prep	HNO ₃ / H ₂ O ₂ matrix	Calibration	Multi-element standard curve
Internal Std	Sc, Ge, In, Bi	Material Type	Raw Material (Research Use)

ELEMENTAL IMPURITIES RESULTS

Element	Result (ppm)	Acceptance Limit (ppm)	Status
Pb Lead	< 0.6	≤ 10	PASS
As Arsenic	< 0.23	≤ 1.5	PASS
Cd Cadmium	< 0.08	≤ 0.5	PASS
Hg Mercury	< 0.4	≤ 3	PASS

METHOD SUITABILITY (SPIKE RECOVERY)

Element	Spike Level	Recovery	Criteria
Pb Lead	5 ppm	96%	70–150%
As Arsenic	0.75 ppm	106%	70–150%
Cd Cadmium	0.25 ppm	105%	70–150%
Hg Mercury	1.5 ppm	100%	70–150%

Spike recovery confirms method suitability for the sample matrix.

INTERPRETATION

Elemental impurities were determined using ICP-MS with EPA-referenced analytical methods. All tested elements (Pb, As, Cd, Hg) are below the stated acceptance limits. Spike recovery values fall within acceptable ranges, confirming method suitability. The sample meets the stated acceptance criteria for elemental impurities.

QUALITY CONTROL

Method Blank: Pass CCV: Pass Duplicate RPD: < 9%

AUTHORIZATION

REVIEWED BY

Lemar Arghandiwal
Lab Director



CLIENT & SAMPLE INFORMATION

Client	Modern Aminos	Analysis Date	04/26/2026
Product Name	Tesamorelin/Ipamorelin	Strength	10mg
Lot / Batch	BX-P-E5J2	Condition as Received	Sealed injectable vial

This report summarizes microbial growth screening performed on the submitted sample using the BacT ALERT automated microbial detection system. The test is designed to screen for detectable microbial growth under the conditions of the method used. This report applies only to the submitted sample as tested and does not certify sterility of the entire batch lot or product line.

TEST METHODOLOGY

Test Performed	14 Day Microbial Growth Screening
Culture System	Aerobic and anaerobic culture bottles
Incubation Period	14 days
Detection Principle	Colorimetric CO ₂ detection
Sample Requirement	1 vial (destructive)

TEST RESULTS

Parameter	Result
Aerobic microbial growth	No Growth
Anaerobic microbial growth	No growth detected
Final Determination	No microbial growth detected during the 14 day incubation period

METHOD OVERVIEW

The submitted sample was aseptically introduced into BacT ALERT culture bottles designed to support microbial growth detection. The BacT ALERT system continuously monitors each bottle during incubation. If microorganisms are present and grow, they may produce carbon dioxide (CO₂) which interacts with the colorimetric sensor in the bottle; the instrument detects this change photometrically. If growth is detected, the system automatically flags the bottle as positive and records the time to detection. If no growth is detected during the full incubation period, the final result is reported as no microbial growth detected.

INTERPRETATION

No microbial growth was detected in the submitted sample during the 14 day BacT ALERT incubation period. This result indicates that no detectable microbial growth was observed under the conditions of this screening method. This result should not be interpreted as a guarantee of sterility for the entire batch lot or product line.

