KOVERA LABS

CERTIFICATE OF ANALYSIS

REPORT # KVR-2026-8409CE

Client: Modern Aminos

Certified: 04/17/2026

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	SEMAX	**Form**	Lyophilized powder
Batch	BX-P-J3R8	**Labeled Qty**	10 mg
Mol. Formula	C37H51N9O10S	**CAS Number**	80714-61-0
Cap Color	White	**Crimp Color**	Sliver

TEST RESULTS

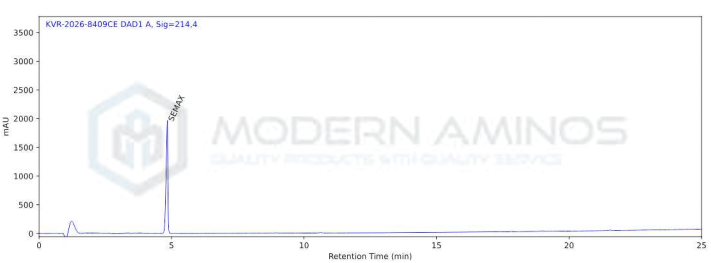
	REFERENCE STANDARD	RESULT
Batch Avg Purity	(>98%)	99.980% ✓
Batch Avg Net Content	(10mg ± 10%)	10.51 mg ✓
Identity Confirmation (LC-MS)	(SEMAX)	SEMAX ✓
Bacterial Endotoxins (LAL)	(≤ 0.50 EU/mL)	PASS ✓

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.971	10.54
Vial 2	99.982	10.46
Vial 3	99.988	10.53
Batch Average	**99.980%**	**10.51 mg**

CHROMATOGRAM

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



Lemar Arghandiwal
Lab Director

koveralabs.com/verify

Report#: KVR-2026-8409CE
Access Code: JJT2Y1X

KOVERA LABS

BACTERIAL ENDOTOXIN ANALYSIS

(Kinetic Chromogenic LAL, USP <85>)

Sample ID: **KVR-2026-8409CE**

CLIENT & SAMPLE INFORMATION

Client	Modern Aminos	**Analysis Date**	04/17/2026
Product Name	Semax	**Strength**	10 mg
Lot / Batch	BX-P-J3R8	**Condition**	Lyophilized

This Certificate of Analysis certifies that the sample listed herein was tested for bacterial endotoxin using a kinetic chromogenic LAL assay in accordance with USP <85> Bacterial Endotoxins Test.

TEST METHODOLOGY

Test Performed	Quantitative Bacterial Endotoxin Test	**Compendial Ref**	USP <85>
Assay Type	Chromogenic (Kinetic)	**Detection λ**	405 nm
Detection Range	0.01 – 1.0 EU/mL	**Endotoxin Std**	E. coli O111:B4
Dilution Vol	2.0 mL	**Matrix**	LAL Reagent Water

QUANTITATIVE RESULTS

Parameter	Result
Endotoxin Level	**< 0.04 EU/mL**
Acceptance Limit	**≤ 0.5 EU/mL**
Sample CV (%)	**2.8%**
Spike CV (%)	**3.5%**
Spike Recovery (%)	**98%**
Final Determination	**PASS**

CONTROLS

Control	Expected	Observed	Status
Positive Control	Detectable	As expected	**Pass**
Negative Control	No signal	As expected	**Pass**

INTERPRETATION

Endotoxin content was quantitatively determined using a kinetic chromogenic LAL assay in accordance with USP <85>. Result reported as below quantitation threshold. The measured endotoxin level meets the specified acceptance criteria. The sample passes the endotoxin limit test.

AUTHORIZATION

REVIEWED BY

Lemar Arghandiwal

Lab Director