KOVERA LABS

CERTIFICATE OF ANALYSIS
REPORT # KVR-2026-EF2D0F

Client: Ascension Peptides

Certified: 06/14/2026

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	NAD+	**Form**	Lyophilized powder
Batch	25-05260628	**Labeled Qty**	1000 mg
Mol. Formula	C21H27N7O14P2	**CAS Number**	53-84-9
Cap Color	Brown	**Crimp Color**	Silver

TEST RESULTS

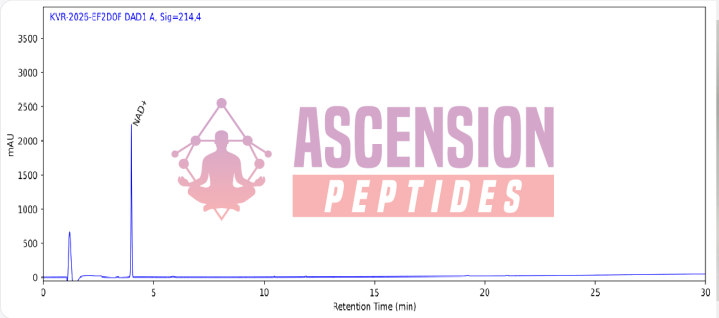
	REFERENCE STANDARD	RESULT	
Purity	(>98%)	99.878%	✓
Net Content	(~1000mg)	1047.87 mg	✓
Identity Confirmation (LC-MS)	(NAD+)	NAD+	✓
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS	✓
Microbial Sterility Screen	(No Growth)	No Growth	✓

HEAVY METAL SCREENING

Analyte	Result	Status
Arsenic (As)	Negative	✓
Cadmium (Cd)	Negative	✓
Lead (Pb)	Negative	✓
Mercury (Hg)	Negative	✓

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 260 nm



Lemar Arghandiwal
Lab Director

koveralabs.com/verify

Report#: KVR-2026-EF2D0F
Access Code: VFPE1MS

BACTERIAL ENDOTOXIN ANALYSIS

(Kinetic Chromogenic LAL, USP <85>)

Sample ID: **KVR-2026-EF2D0F**

CLIENT & SAMPLE INFORMATION

Client	Ascension Peptides	Analysis Date	06/02/2026
Product Name	NAD+	Strength	1000 mg
Lot / Batch	25-05260628	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	Kinetic Turbidimetric	Detection λ	660 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	< 0.20 EU/mL
Acceptance Limit	≤ 0.5 EU/mL
Sample CV (%)	N/A
Spike CV (%)	N/A
Spike Recovery (%)	N/A
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

KOVERA LABS

HEAVY METALS ANALYSIS

(ICP-MS, EPA-Referenced Methods)
Sample ID: **KVR-2026-EF2D0F**

CLIENT & SAMPLE INFORMATION

Client	Ascension Peptides	**Analysis Date**	June 03, 2026
Product Name	NAD+	**Strength**	1000 mg
Lot / Batch	25-05260628	**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_2O_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	< 0.5	≤ 10	PASS
As Arsenic	< 0.15	≤ 1.5	PASS
Cd Cadmium	< 0.05	≤ 0.5	PASS
Hg Mercury	< 0.3	≤ 3	PASS

METHOD SUITABILITY (SPIKE RECOVERY)

Element	Spike Level	Recovery	Criteria
Pb Lead	5 ppm	98%	70–150%
As Arsenic	0.75 ppm	102%	70–150%
Cd Cadmium	0.25 ppm	95%	70–150%
Hg Mercury	1.5 ppm	91%	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:** < 20%

AUTHORIZATION

REVIEWED BY
Lemar Arghandiwal
Lab Director

KOVERA LABS

RAPID STERILITY SCREEN

Report Number: **KVR-2026-EF2D0F**

CLIENT & SAMPLE INFORMATION

Client	Ascension Peptides	**Sample Name**	NAD+
Lot Number	25-05260628	**Date Received**	06/02/2026
Date Certified	06/02/2026	**Sample Matrix**	Lyophilized powder

TEST METHODOLOGY

RAPID STERILITY SCREENING METHOD

Sample is reconstituted and incubated in growth media under controlled conditions. Cultures are monitored for microbial growth over the incubation period. This rapid screening method provides preliminary sterility assessment and is suitable for quality control purposes. For regulatory compliance, full USP <71> sterility testing may be required.

TEST RESULTS

TEST PARAMETER	SPECIFICATION	RESULT	STATUS
Bacteria (Aerobic/Anaerobic)	No Growth	**No Growth**	PASS
Fungi / Yeast	Not Detected	**Not Detected**	PASS

TEST METHOD	INCUBATION PERIOD	TEMPERATURE
Rapid Sterility	**2 days**	**30-35C**

FINAL DETERMINATION

STERILITY SCREEN RESULT

SAMPLE PASSES STERILITY SCREEN

No microbial growth detected during incubation period

REPORT GENERATED
June 02, 2026

ACCESS CODE
EF2D0F