

Analysis Report

Official laboratory analysis summary for the submitted sample and associated quality-control review.

SAMPLE NAD+	RECEIVED DATE May 11, 2026	ANALYSIS DATE May 13, 2026	REPORT GENERATED May 14, 2026
STRENGTH	500mg	MANUFACTURER	PepticoreAminos
BATCH NUMBER	PC-NA5-0112U	LAB CODE	989-2
CLIENT	www.pepticoreaminos.net		

SAMPLE INFORMATION

NAD+**500MG**FORM **White powder in a glass vial**SAMPLE SUBMISSION **Sample provided by customer**BATCH **PC-NA5-0112U**CAP / CRIMP COLOR **White/Copper**RECEIVED DATE **May 11, 2026**

SAMPLE IMAGE

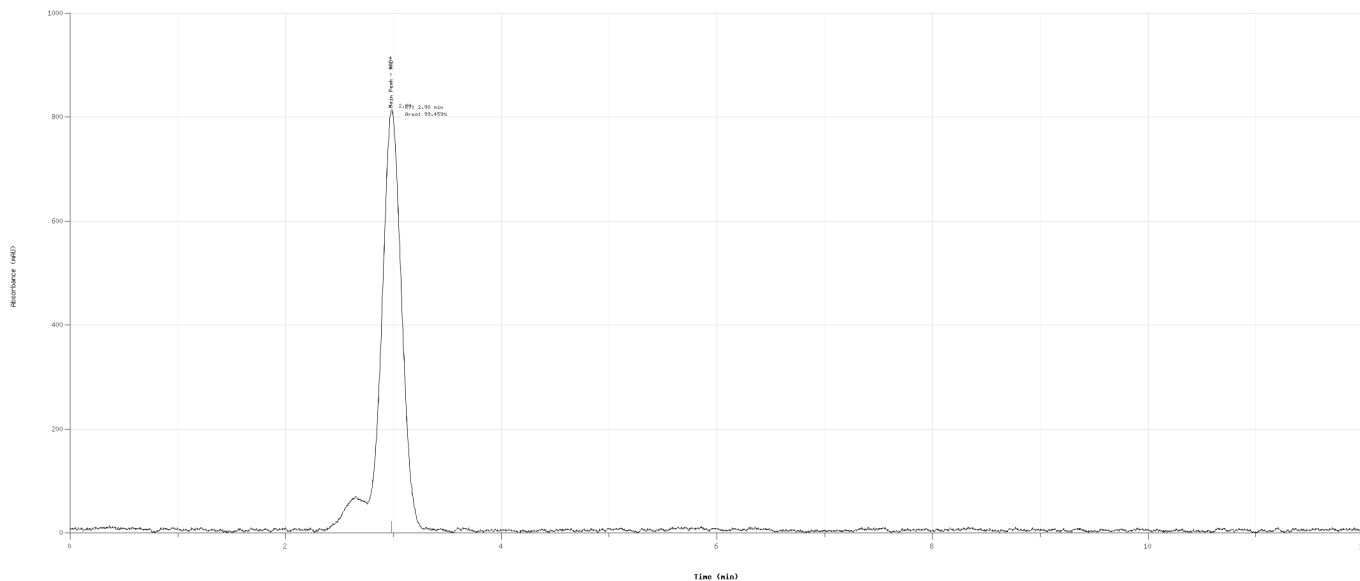
ANALYTICAL SUMMARY

IDENTITY	NAD+
PURITY	99.459%
QUANTITY	523mg
BATCH	PC-NA5-0112U
MANUFACTURER	PepticoreAminos

RP-HPLC-UV CHROMATOGRAM (220 NM)

Detection: UV 220 nm | Runtime: 12.0 min

Sample ID: NND1
Report ID: 2024-02-05-104001
Method: RP-HPLC-UV General
Detector: UV 220 nm | Runtime: 12.0 min



METHOD

TIME	H2O + 0.1% TFA	ACN + 0.1% TFA
0min	95%	5%
2min	95%	5%
10min	5%	95%
12min	5%	95%

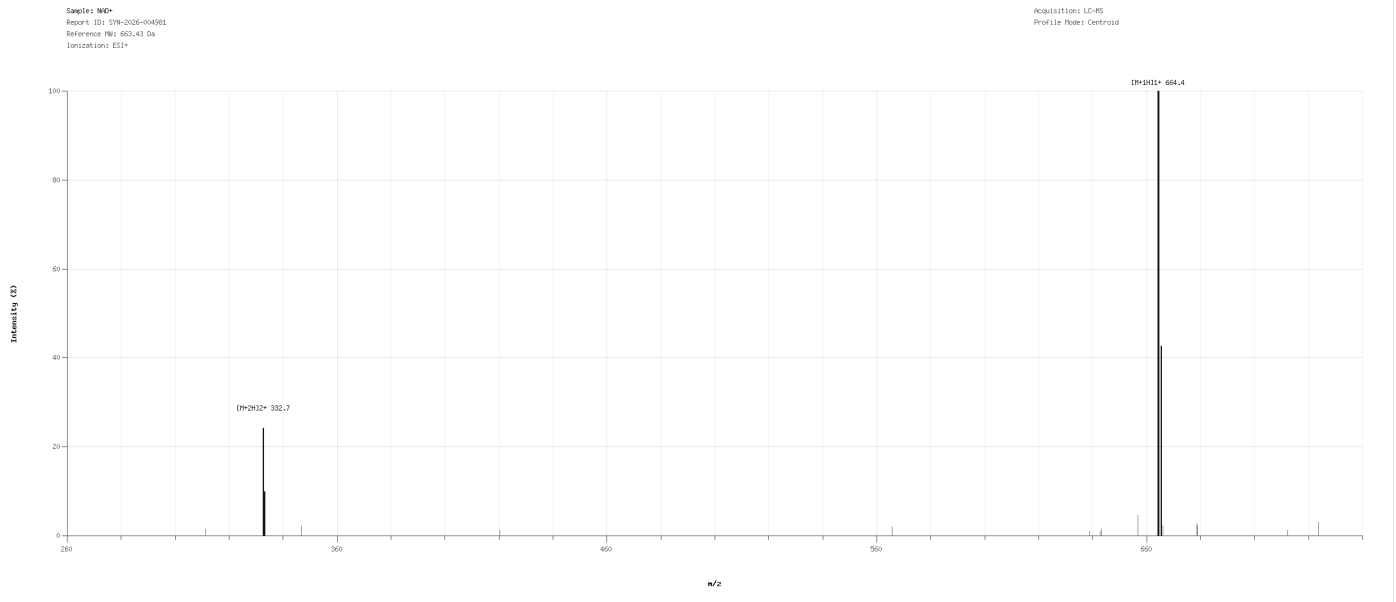
TECHNICAL NOTE

Analytical conclusions are limited to the tested sample and the conditions described in this report. Total runtime: 12.0 minutes.

COMMENTS

The evaluated sample meets the defined analytical specifications for identity, purity and impurity profile in accordance with the applied RP-HPLC-UV method.

LC-MS MASS SPECTRUM



The recorded mass spectrum shows signals compatible with the expected molecular profile of the sample.

ANALYSIS & METHODOLOGY

STANDARD PEPTIDE PURITY, MASS & ADDITIONAL TESTING

Analysis performed using RP-HPLC-UV under validated laboratory conditions. Peak profile, retention behavior and purity response were evaluated against internal reference standards.

BIOBURDEN

TEST	RESULT	UNIT	REPORTING LIMIT
Total Aerobic Microbial Count USP <61>/Eur. Ph. 2.6.12. Plate Count Method	Not detected	CFU/g	>= 1000
Total Yeast and Mold Count USP <61>/Eur. Ph. 2.6.12. Plate Count Method	Not detected	CFU/g	>= 100

ENDOTOXIN ANALYSIS

TEST	RESULT	UNIT	REPORTING LIMIT
Bacterial Endotoxin USP<85>/ Eur. Ph. 2.6.14. Bacterial Endotoxin Chromogenic Test	< 0.001	EU/mg	> 0.5

HEAVY METALS

TEST	RESULT	UNIT	REPORTING LIMIT
Arsenic Elemental Impurities Screening	Not detected	ppm	>= 1.5
Cadmium Elemental Impurities Screening	Not detected	ppm	>= 0.5
Cobalt Elemental Impurities Screening	Not detected	ppm	>= 25
Lead Elemental Impurities Screening	Not detected	ppm	>= 1.5

TEST	RESULT	UNIT	REPORTING LIMIT
Nickel Elemental Impurities Screening	Not detected	ppm	>= 25
Quicksilver Elemental Impurities Screening	Not detected	ppm	>= 1.5
Vanadium Elemental Impurities Screening	Not detected	ppm	>= 25

TECHNICAL APPENDIX

This appendix documents the analytical methodology, instrumentation and acceptance criteria applied for the evaluation of the sample.

COMPOUND REFERENCE

PARAMETER	NAD+
PUBCHEM CID	925
MOLECULAR FORMULA	C21H27N7O14P2
MOLECULAR WEIGHT	663.43 g/mol

METHOD SPECIFICATION

PARAMETER	GENERAL RP-HPLC-UV SCREENING
ANALYTICAL MODE	Reversed-phase HPLC purity and identity screen
COLUMN	C18 reversed-phase analytical column
MOBILE PHASE A	Water + 0.1% TFA
MOBILE PHASE B	Acetonitrile + 0.1% TFA
FLOW RATE	1.0 mL/min
DETECTION	UV 220 nm
INJECTION VOLUME	10 uL
RUNTIME	12.0 min
SAMPLE DILUENT	Water/acetonitrile compatible diluent
SAMPLE PREPARATION	Diluted, mixed and clarified prior to injection

INSTRUMENT PLATFORM

PARAMETER	STANDARD HPLC-UV PLATFORM
SYSTEM TYPE	Analytical HPLC system
DETECTOR	UV/VIS detector
ACQUISITION	Chromatographic acquisition and integration software
REVIEW MODE	Retention-time and response-profile review
WORKFLOW NOTE	Used for routine peptide purity and identity screening

ANALYTICAL CRITERIA

PARAMETER	ACCEPTANCE FRAMEWORK	BASIS
IDENTITY	Retention-time and profile agreement with reference expectations	Chromatographic identity review
PURITY	NLT 98.0% unless a stricter report-specific specification is declared	Integrated RP-HPLC-UV purity profile
QUANTITY	Measured content reviewed against the declared sample strength	Report-level analytical summary
BIOBURDEN	Not detected or within stated reporting limits	Microbial screening table
ENDOTOXIN	Below stated reporting limit / internal screening threshold	Endotoxin analysis table
HEAVY METALS	Below individual reporting limits where screened	Elemental impurities screening table

This appendix documents the analytical methodology, instrumentation and acceptance criteria applied for the evaluation of the sample.

VERIFICATION

Verify this report through the official Synaptica Analytics verification page using the details below.

Verification URL synaptica-labs.com/verify-report

Report ID SYN-2026-004981

Verification Key VK-GQZ2-XPBF

SCAN TO VERIFY



DIGITAL SIGNATURE



DIGITALLY SIGNED BY:

Martin Saar

Date: 2026.05.14

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Director

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Analysis date: May 13, 2026

Report generated: May 14, 2026

Analytical testing performed by Synaptica Analytics -
Analytical Services Division

Synaptica Analytics
SYN-2026-004981
Laboratory Analysis Report
VK-GQZ2-XPBF

VERIFY AT
synaptica-labs.com/verify-report