

Analysis Report

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

SAMPLE NAD+	RECEIVED DATE Aug 28, 2026	ANALYSIS DATE Sep 04, 2026	REPORT GENERATED Sep 08, 2026
STRENGTH	1000	MANUFACTURER	PeptiCoreAminos
BATCH NUMBER	PC-NA10-1026U	LAB CODE	982-3
CLIENT	www.peptiCoreAminos.net		

SAMPLE INFORMATION

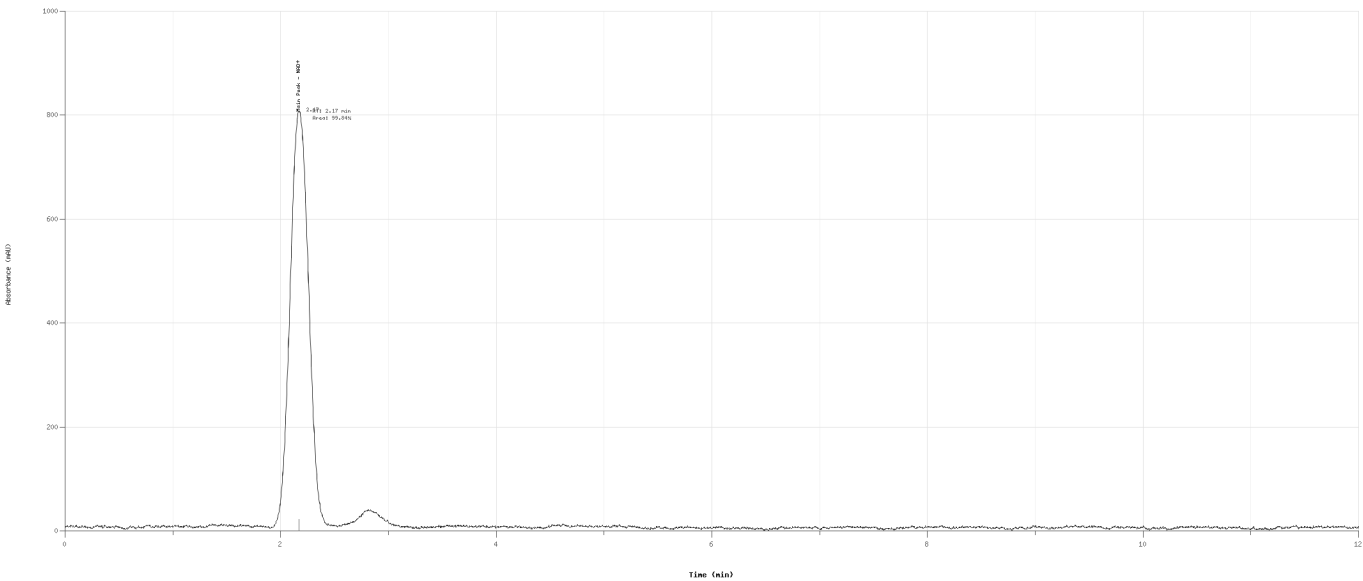
NAD+ 1000 FORM White powder in a glass vial SAMPLE SUBMISSION Sample provided by customer BATCH PC-NA10-1026U CAP / CRIMP COLOR Black/Silver RECEIVED DATE Aug 28, 2026	 SAMPLE IMAGE
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ANALYTICAL SUMMARY

IDENTITY	NAD+
PURITY	99.84%
QUANTITY	1027.60mg
BATCH	PC-NA10-1026U
MANUFACTURER	PeptiCoreAminos

RP-HPLC-UV CHROMATOGRAM (220 NM)
Detection: UV 220 nm | Runtime: 12.0 min

Sample ID: NND-
Report ID: 5196-2020-00069
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%

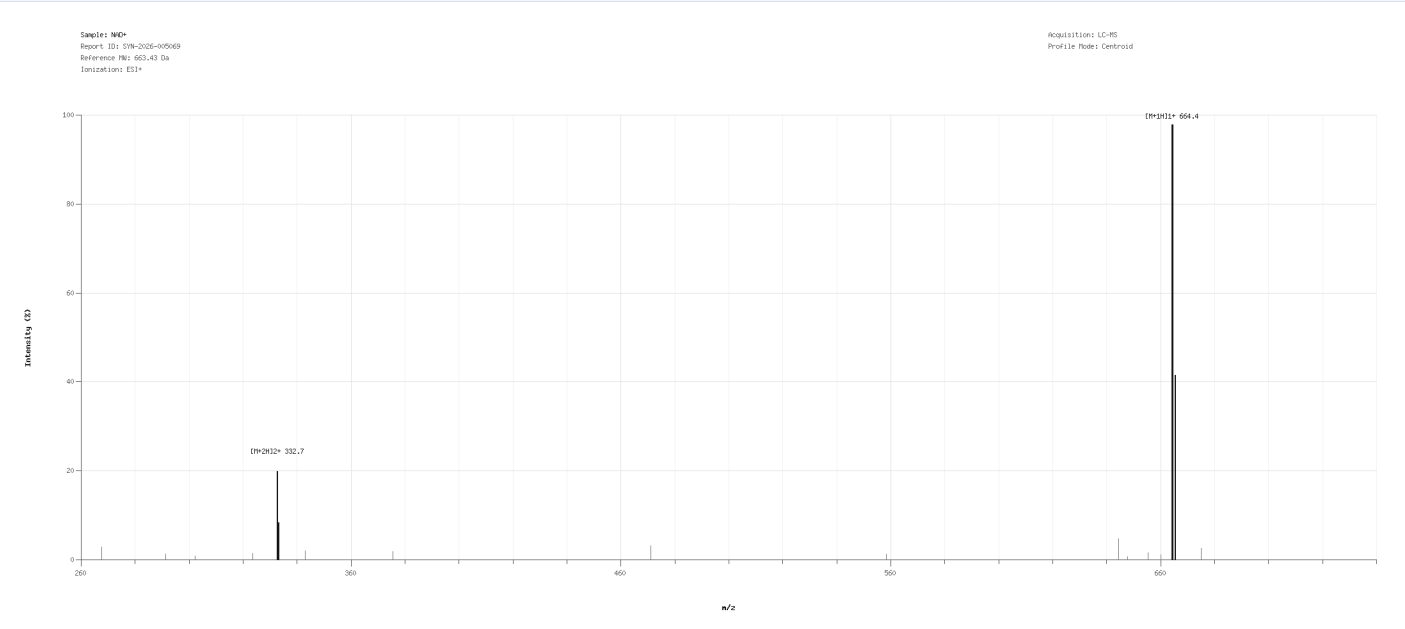
TECHNICAL NOTE

Results reported herein apply exclusively to the sample received and analyzed by the laboratory. Total runtime: 12.0 minutes.

COMMENTS

The chromatographic assessment supports compliance of the sample with the defined analytical specifications for identity, purity and impurity profile.

LC-MS MASS SPECTRUM



Charge-state distribution and isotope clustering are consistent with the expected analytical mass response.

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	< 0.003	EU/mg	NMT 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, UV response and mass-spectrum review
WORKFLOW NOTE	Used for routine peptide purity and identity screening

PARAMETER	STANDARD HPLC-UV PLATFORM
MS DETECTOR	Mass spectrometer, ESI+ acquisition
MS ACQUISITION	LC-MS spectral acquisition and processing

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-2026-005069
Verification Key VK-Z3C3-RSFR

SCAN TO VERIFY



DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
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Analysis date: Sep 04, 2026
Report generated: Sep 08, 2026
Analytical testing performed by Synaptica Analytics -
Analytical Services Division

Synaptica Analytics
SYN-2026-005069
Laboratory Analysis Report
VK-Z3C3-RSFR

VERIFY AT
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