Certificate of Analysis

LIQUILABS
Analytical services

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Verify Results Online

Sample Identification

Sample Name	NAD+ 500 mg
Batch Number	20263412
Date Published	2026-06-09 14:35

Results for LYO-0217

Peptides	Result	Unit	Uncertainty	Acceptable Range
NAD+ Assay Polar Compound Screening 10mM ammonium formate buffer	418	*mg*	[± 2]	
NAD+ Purity Peptide Screening 0.1% TFA	98.9	*%*	[± 0.5]	
NAD+ Identification by Spectrum (FTIR) Peptide Screening 0.1% TFA	1000		[± 5]	
NAD+ Identification by RT Peptide Screening 0.1% TFA	0.987		[± 0.005]	

LIQUILABS Analytical services	Method Specification	
Determination of identity, content and purity of NAD+		
Document number NAD_003_2026	*Superseded document* -	*Number of pages* 3

1. Content Assesment

1.1. Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu CBM-20A	L20235355693
Degassing Unit	Shimadzu DGU-14A	NA
Pump A	Shimadzu LC-20AD	L20104350216
Pump B	Shimadzu LC-20AD	L20104451348
Autosampler	Shimadzu SIL-10ADvp	C21054109114
Colum Thermostat	Shimadzu CTO-10ACvp	C21033770144
Detector	Shimadzu SPD-10ADvp	C20994233588

1.2. Chromatographic conditions

Chromatographic conditions	
Eluent A	10mM ammonium formate in 0.05% Formic acid in Water (HPLC, Gradient Grade)
Eluent B	0.05% Formic acid in Acetonitrile (HPLC, Gradient Grade)
Flow rate	1.0 mL/min
Program	Gradient elution
Injection volume	0.5 µL
Colum Temperature	40°C
Column	Phenomenex Kinetex 5u C18 100x4.6 mm 100A
Detection wavelength	260nm

Gradient Program		
Time [min]	A [%]	B [%]
2	95	5
6	50	50
8	50	50
10	95	5
14	end	

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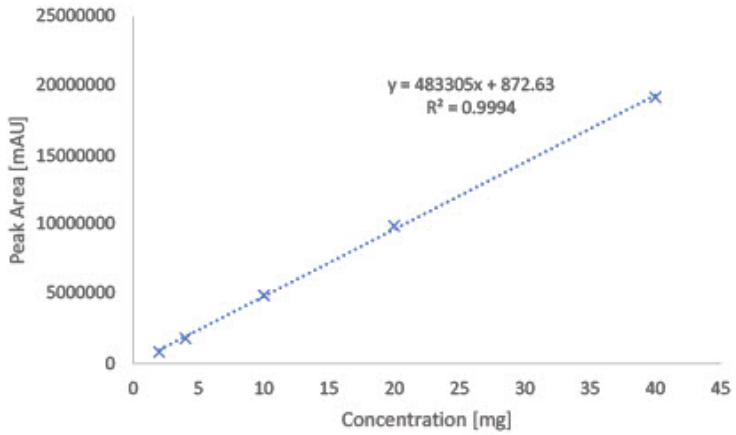
1.3. Sample preparation

Whole amount of container was dissolved in 10mL of water (HPLC, Gradient Grade). Aliquote part of 0.1 mL was dispensed into HPLC vial, diluted by 0.9 mL of Water (HPLC, Gradient Grade) and. Diluted sample was used for HPLC analysis.

1.4. Calibration curve

Calibration curve detail	
Quantitative method	External Standard
Calibration Type	Linear
Number of calibration points	5
Force through Zero	Disabled
Weighting Method	None



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2. Purity assessment

2.1 Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu CBM-20A	L20235355693
Degassing Unit	Shimadzu DGU-14A	NA
Pump A	Shimadzu LC-20AD	L20104350216
Pump B	Shimadzu LC-20AD	L20104451348
Autosampler	Shimadzu SIL-10ADvp	C21054109114
Colum Thermostat	Shimadzu CTO-10ACvp	C21033770144
Detector	Shimadzu SPD-10ADvp	C20994233588

2.2 Chromatographic conditions

Chromatographic conditions	
Eluent A	10mM ammonium formate in 0.05% Formic acid in Water (HPLC, Gradient Grade)
Eluent B	0.05% Formic acid in Acetonitrile (HPLC, Gradient Grade)
Flow rate	1.0 mL/min
Program	Gradient elution
Injection volume	0.5 µL
Colum Temperature	40°C
Column	Phenomenex Kinetex 5u C18 100x4.6 mm 100A
Detection wavelength	260nm

Gradient Program		
Time [min]	A [%]	B [%]
2	95	5
6	50	50
8	50	50
10	95	5
14	end	

1.5. Sample preparation

Whole amount of container was dissolved in 10mL of water (HPLC, Gradient Grade). Aliquote part of 0.1 mL was dispensed into HPLC vial, diluted by 0.9 mL of Water (HPLC, Gradient Grade) and. Diluted sample was used for HPLC analysis.

1.6. Purity assesment

Purity of compound assesed by area normalization method, comparing area of each peak to sum of area of all peaks detected at wavelenght of 214 nm.

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Analysis Report

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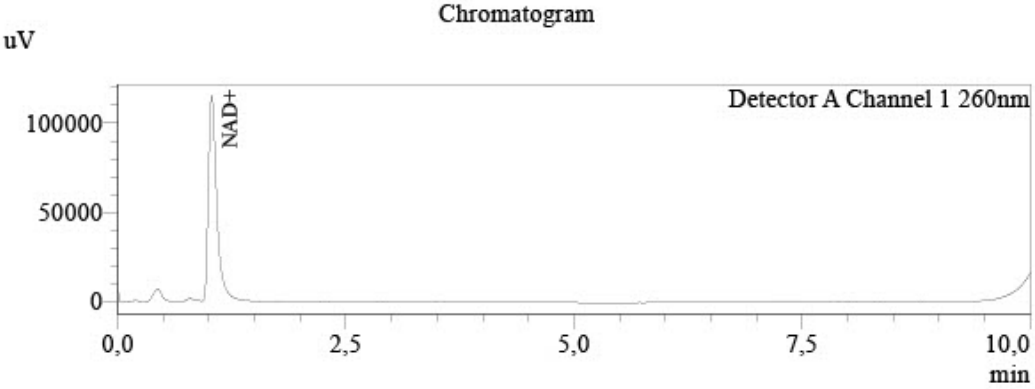
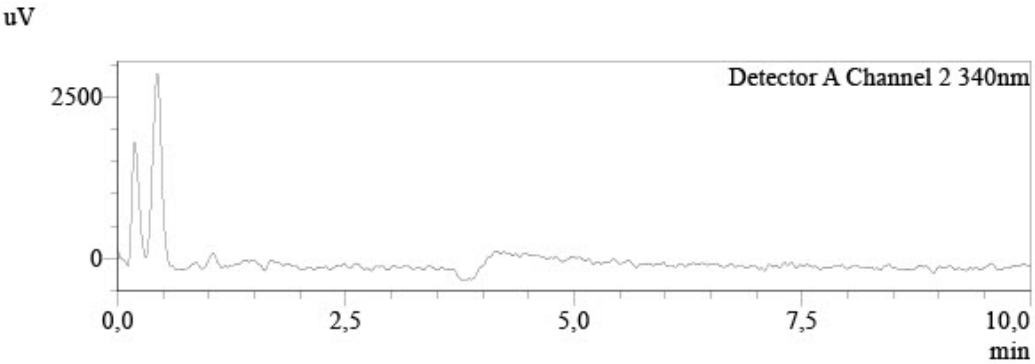
Sample Information

Injection Volume	: 5
Data File	: LYO-0217__003.lcd
Method File	: NUC_HILIC.lcm
Date Acquired	: 09.06.2026 11:08:33

Chromatogram





Peak Table

Detector A Channel 1 260nm

Peak#	Name	Ret. Time	Conc.	Unit	Area%
1		0,775	0,000		1,067
2	NAD+	1,030	418,488	mg	98,933
Total					100,000

Peak Table

Detector A Channel 2 340nm

Peak#	Name	Ret. Time	Conc.	Unit
Total				

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Responsibles

Mr. Ján Galbavý
CEO

Analysis results relate only to the samples tested.
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