

Attachment to the result no. 2026/03/14

Customer: LabGrade LabGrade.co.uk	Order issue date: 13.03.2026
	Client's order number: not applicable
Sample (according to the Client's declaration): Powdered substance: NAD ⁺ (CAS: 53-84-9)	Date of receipt: 23.03.2026
Condition of the samples (as assessed by the Contractor): Powdered substance contained in a factory-sealed vial with stopper	Date of analysis: 31.03.2026

Comment on the test results 2026/03/14

The presence of the NAD⁺ peptide was confirmed in a sample.

The following data confirm the results obtained:



Figure 1 A – XIC chromatogram of the blank sample, B – XIC chromatogram confirming the presence of NAD⁺ in the sample.

No distinct signals are observed on the TIC chromatogram in the LC-MS/MS analysis apart from the quantitatively determined compound. Therefore, the data were also processed using the **MS-DIAL** software.

The obtained MS and MS/MS data for the analyzed sample were processed using the **MS-DIAL** software (utilizing the *MSMS-Public_all-pos-VS19_2* database), subtracting all signals present in the solvent from those detected in the sample. Apart from the qualitatively identified NAD⁺ peptide, three known compounds were identified in the sample; their masses and names are presented in the table below.

m/z	RT (min)	Name of a compound	MS/MS spectrum Representative vs. Reference
664.11750	0.51	beta-Nicotinamide adenine dinucleotide (NAD)+	Representative vs. Reference Measurement Relative abundance 428.0396 136.0626 664.1176 664.1170 428.0360 136.0620 m/z Reference
560.08010	0.42	Adenosine triphosphate ribose	Representative vs. Reference Measurement Relative abundance 136.0622 232.0838 348.0691 348.0700 136.0620 m/z Reference

123.05540	1.46	Niacinamide (Vitamin B ₃)	Representative vs. Reference Measurement 123.0556 106.0290 80.0500 96.0440 123.0550 Reference
268.10457	1.97	Adenosine	Representative vs. Reference Measurement 136.0631 195.9082 268.1033 268.1060 136.0610 Reference