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Searchable via: [FreedomDiagnosticsTesting.com](https://freedomdiagnostics.com/testing)

Product	NAD+ 500mg
Net Peptide Content	534.646 mg
Identity	NAD+

Certificate of Analysis

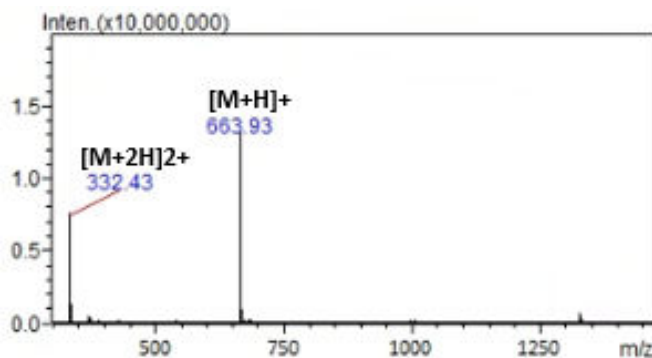
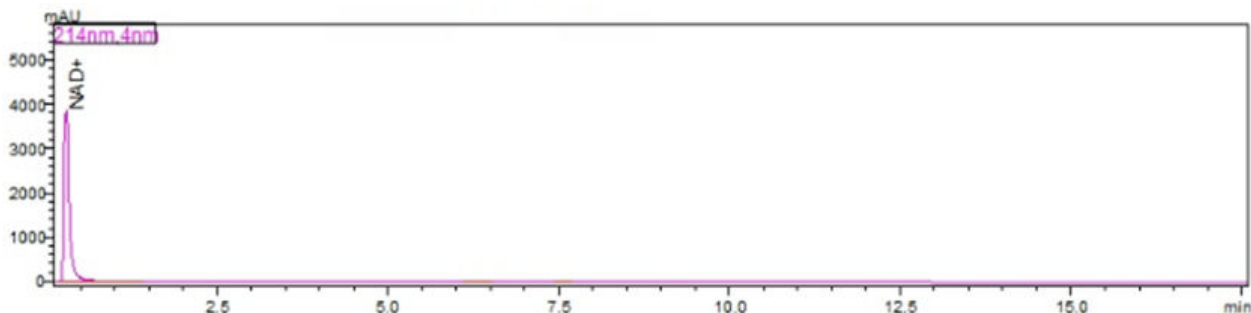
Assession Number	2506060057
Client	Peptide Pro
Search Code	pept2506060057

Received Date:	6/6/2025
Reported Date:	6/10/2025

Lot	NAD-050125
Purity	99.96%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
NAD+	99.96%



Stephen Schmidt

Stephen Schmidt
Principle Chemist

COA: 2506060057

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.

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Contact at: Admin@FreedomDiagnostics.net



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Product	NAD+ 500mg
Net Peptide Content	480.144 mg
Identity	NAD+

Certificate of Analysis

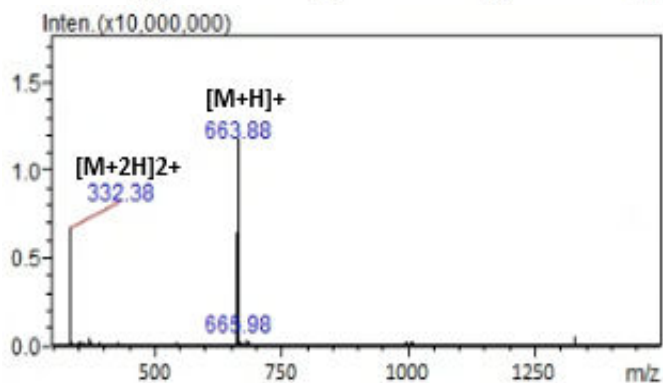
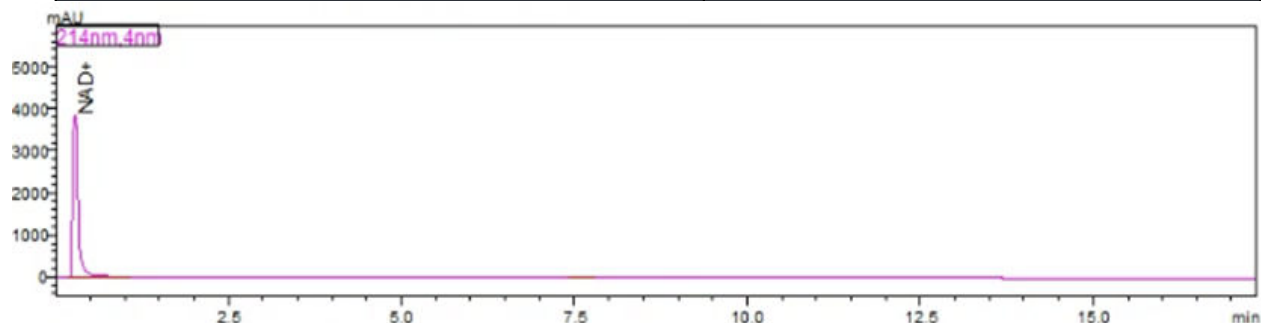
Assession Number	2506060059
Client	Peptide Pro
Search Code	pept2506060059

Received Date:	6/6/2025
Reported Date:	6/10/2025

Lot	NAD-050125
Purity	99.97%
Appearance	White Lyophilized Powder

All Chemical Analysis was performed by HPLC with UV Detection Coupled with Mass Spectrometry

Mass Identification	Result
NAD+	99.97%



Stephen Schmidt

Stephen Schmidt
Principle Chemist

COA: 2506060059

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Product	NAD+ 500mg
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Certificate of Analysis

Assession Number	2506060060
Client	Peptide Pro
Search Code	pept2506060060

Received Date:	6/6/2025
Reported Date:	6/9/2025

Lot	NAD-050125
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All analyses are conducted for research purposes and performed in duplicate in accordance with USP <85> guidelines

Endotoxin Threshold		Result
Replicate 1	≤ 0.05 EU/mL	PASS
Replicate 2	≤ 0.05 EU/mL	PASS



Stephen Schmidt

Stephen Schmidt
Principle Chemist

COA: 2506060060

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.

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Product	NAD+ 500mg
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Certificate of Analysis

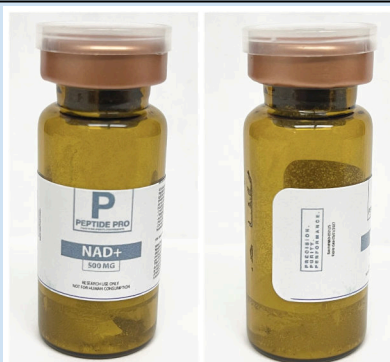
Assession Number	2506060058
Client	Peptide Pro
Search Code	pept2506060058

Received Date:	6/6/2025
Reported Date:	6/9/2025

Lot	NAD-050125
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All analyses are conducted for research purposes and performed in duplicate in accordance with USP <85> guidelines

Endotoxin Threshold		Result
Replicate 1	≤ 0.05 EU/mL	PASS
Replicate 2	≤ 0.05 EU/mL	PASS



Stephen Schmidt

Stephen Schmidt
Principle Chemist

COA: 2506060058

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.

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Certificate of Analysis

NAD⁺ (Nadide) 500 mg

nicotinamide adenine dinucleotide

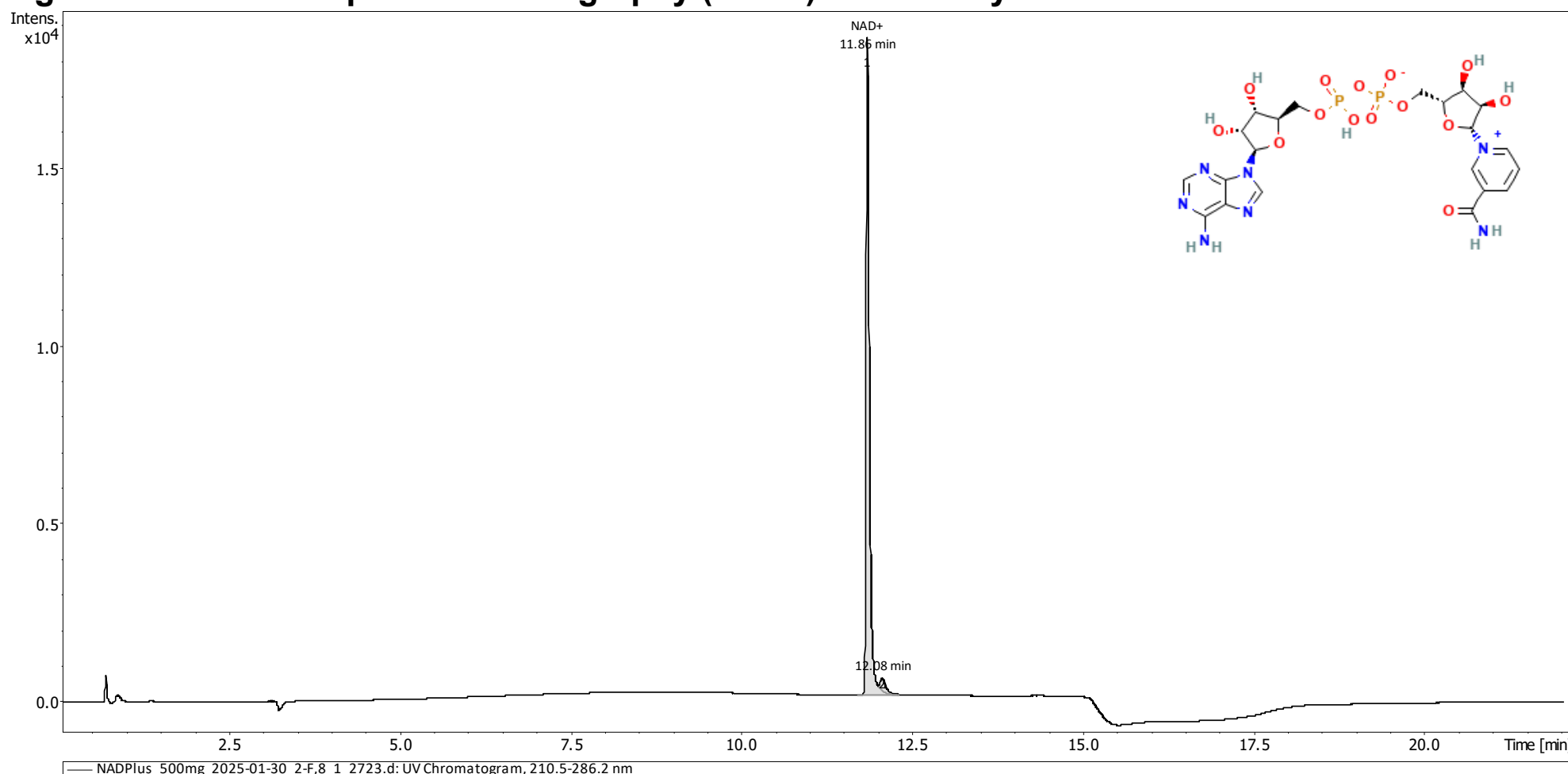
Compound : NAD⁺
Lot number : 2025-01-30
Analysis date : 2025-02-08
Purity % : 99.20%
Method : HPLC-UV-MS

Client : Peptide Pro

PubChem CID: 5892

<https://pubchem.ncbi.nlm.nih.gov/compound/5892>

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 2		
	Time (min)	Area	%Area	
1	11.86	6.02E+04	99.20	NAD ⁺
2	12.08	3.71E+03	5.80	

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com



2025-02-13

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

NAD⁺ (Nadide) 500 mg

PubChem CID: 5892

<https://pubchem.ncbi.nlm.nih.gov/compound/5892>

Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Expected monoisotopic mass : 663.11 Da

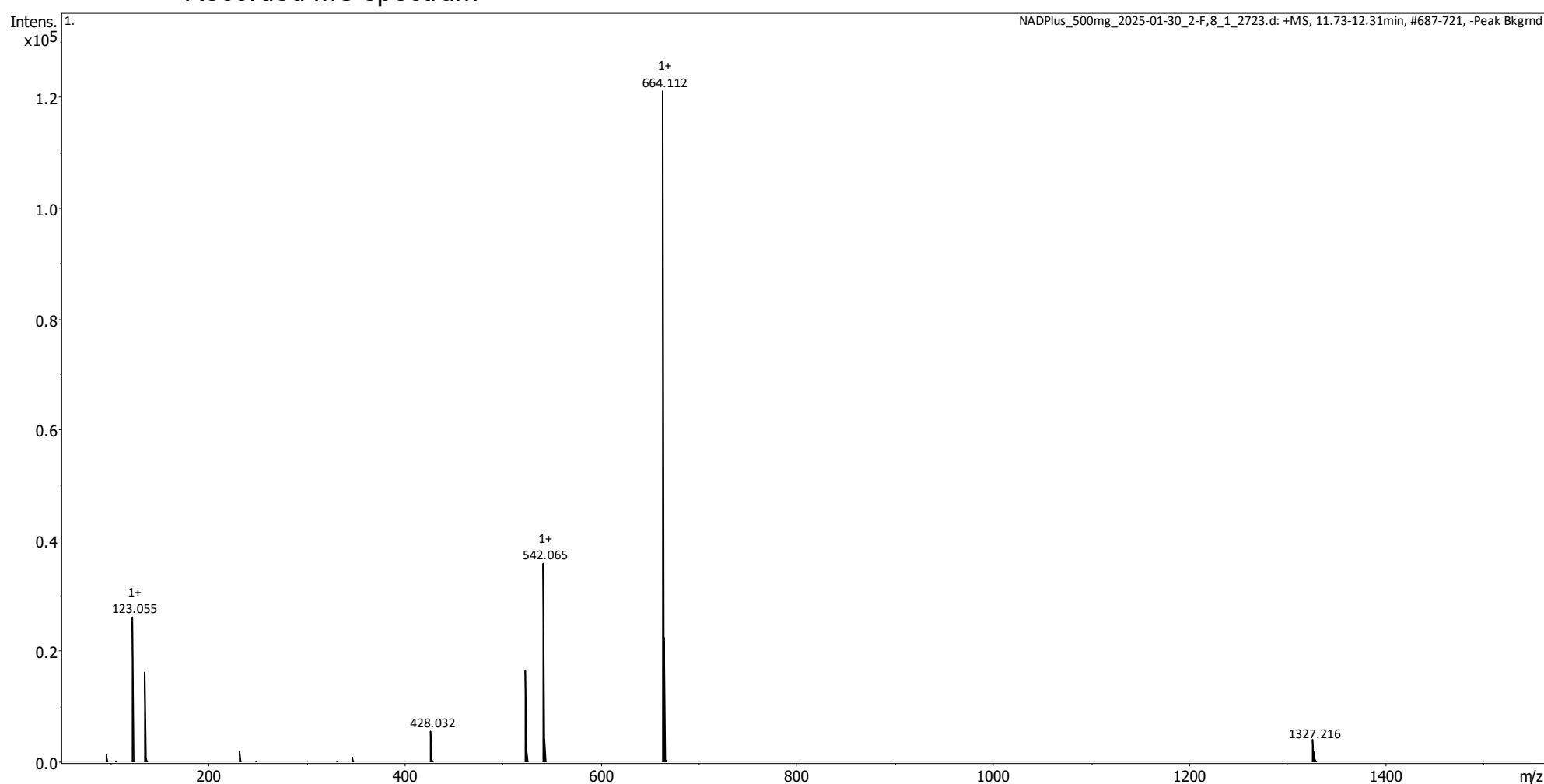
Measured monoisotopic mass : 663.11 Da

Molecular weight confirmed


Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides.

The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2025-02-13