FOREVER YOUNG PHARMACY

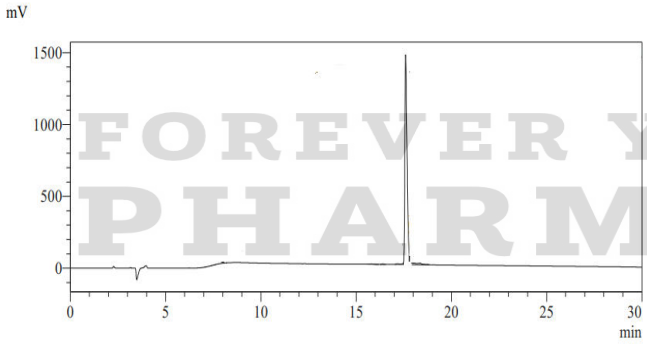
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	NAD+ 500 mg (Nicotinamide adenine dinucleotide)
Client Name/Lot No.	Biopep LLC / Lot# 25125
Sequence	C21H28N7O14P2
Dissolution condition	100% H2O
Length	13AA
Molecular Weight	664 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	8.002	0.118
2	17.722	99.635
3	17.997	0.213
4	18.383	0.034

TEST RESULTS

	Specifications	Results
Strength	500.00 mg	527.14 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	4.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.4%

TEST PARAMETERS

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20uL

CONCLUSION

One 10ml amber vial contained a white lyophilized powder and has a blue cap with a silver crimp with Lot# 25125.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% NAD+ (527.14 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
05/13/2025

****Verify the validity of test results by contacting support@foreveryoungpharmacy.com****