



Services: HPLC, LC-MS, GC-MS, purity analysis, stability, impurities testing  
Address:  
No. 503, Second Street, Zhongxin Knowledge Take-off Garden, Huangpu District, Guangdong Province, China

## Certificate of Analysis

### Sample Information

Product Name:	NAD+ Lyophilized Peptide Powder 500mg
CAS Number:	53-84-9
Client Name/Lot No:	NJ-2025-10-006
Sequence:	/
Dissolution Condition:	Soluble in sterile 0.9% Sodium Chloride solution or water
Molecular Weight:	663.43Da
Length:	/

### Test Results

Test Parameter	Specifications	Results
Strength	500.00 mg	553.2mg
Appearance	White lyophilized powder	Conforms
Purity	≥90.0%	91.70%
pH valuepH	5.0-6.5	5.3
Single Impurity	≤1.0%	0.12%
Total Impurity	≤2.0%	0.50%

### Test Parameters

Parameter	Specification
Pump A	0.1% trifluoroacetic acid in 100% water
Pump B	0.1% trifluoroacetic acid in 100% acetonitrile
Total Flow	1.0 mL/min
Wavelength	220 nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6250mm 5µm)
Dissolution Method	100% H2O
Injection Volume	20 µL

### Conclusion

- One 3mL vial contained a white lyophilized powder with a [color] cap, and the analysis confirmed the identity as NAD+ Lyophilized Peptide Powder 500mg.
- The sample was analyzed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 91.7% NAD+, with the remainder being minor impurities.

### Certified by

Jie Wang  
President  
Guangzhou Laidi Testing Laboratory  
Date:2025-10-09