

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-07 15:38:15  
Date of Next Testing: 2028-04-06 15:38:15  
Product Name: **β-Nicotinamide adenine dinucleotide(NAD)**  
CAS Number: 53-84-9  
Specifications & Purity: 97%  
Lot #: C2426279  
SKU #: N111609  
**Analysis:** 342669  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	0.56 %
Purity(HPLC)	97-100 (%)	99.66400 %
Enzymatic Purity(Dry Basis)	97-100 (%)	99.66 %
Solvent Content (by GC)	0-3 (%)	1.56 %
Appearance (N111609)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager