

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-08-27 11:57:42
Date of Next Testing:	2028-08-26 11:57:42
Product Name:	β-Nicotinamide adenine dinucleotide (NAD)
CAS Number:	53-84-9
Specifications & Purity:	>98.0% (HPLC)
Lot #:	H2423373
SKU #	N111610
Version	0
Analysis #:	393216
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
abs-ratio(2a/2b)(E280/E260)	0.19-0.23	0.23
Water by Karl Fischer	0-8 (%)	6.70%
Purity(HPLC)	98-100 (%)	99.66100%
abs-ratio(a/b)(E250/E260)	0.8-0.86	0.82
Molar extinction coefficient(H ₂ O, 260.0 nm) (calcd.on anh.sub	17000-18500	17046.00
Solvent Content	0-3 (%)	0.10%
Appearance (N111610)	white to pale yellow Powder, Crystals and/or Chunk	white to pale yellow Powder, Crystals and/or Chunk
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O	pass	Pass
Enzyme detection test	to pass test	to pass test



John Su
QA & QC Manager