

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-27 11:08:37
 Date of Next Testing: 2028-08-26 11:08:37
 Product Name: **β-Nicotinamide adenine dinucleotide (NAD)**
 CAS Number: 53-84-9
 Specifications & Purity: >98.0% (HPLC)
 Lot #: H2423374
 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