

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-13 10:50:40
 Date of Next Testing: 2029-08-12 10:50:40
 Product Name: **β-Nicotinamide adenine dinucleotide (NAD)**
 CAS Number: 53-84-9
 Specifications & Purity: Moligand™, ≥98%(HPLC)
 Lot #: H2511414
 SKU #: **N111610**
 Version: **0**
 Analysis #: **550054**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
abs-ratio(2a/2b)(E280/E260)	0.19-0.23	0.20930
Purity(HPLC)	98-100 (%)	99.76200 %
abs-ratio(a/b)(E250/E260)	0.8-0.86	0.82059
Water by Karl Fischer	0-8 (%)	3.60300 %
Molar extinction coefficient(H ₂ O, 260.0 nm) (calcd.on anh.sub	17000-18500	17572.00000
Solvent Content	0-3 (%)	1.50000 %
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