

Certificate of Analysis

Date of Testing: 2025-05-19 14:18:04

Date of Next Testing: 2029-05-18 14:18:04

Product Name: **β-Nicotinamide adenine dinucleotide (NAD)**

CAS Number: 53-84-9

Specifications & Purity: Moligand™, ≥98%(HPLC)

Lot #: E2513398

SKU #: **N111610**

Version: **0**

Analysis #: **501472**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
abs-ratio(2a/2b)(E280/E260)	0.19-0.23	0.21
Water by Karl Fischer	0-8 (%)	4.79 %
Purity(HPLC)	98-100 (%)	99.46100 %
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	17005.00
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
Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O	pass	Pass
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure
Enzyme detection test	to pass test	to pass test



John Su
QA & QC Manager