

Certificate of Analysis

Date of Testing: 2025-05-22 10:34:45

Date of Next Testing: 2029-05-21 10:34:45

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

CAS Number: 53-84-9

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

Lot #: E2520395

SKU #: **N111610**

Version: **0**

Analysis #: **507607**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
abs-ratio(2a/2b)(E280/E260)	0.19-0.23	0.22
Purity(HPLC)	98-100 (%)	99.84600 %
abs-ratio(a/b)(E250/E260)	0.8-0.86	0.82
Water by Karl Fischer	0-8 (%)	4.81 %
Molar extinction coefficient(H ₂ O, 260.0 nm)	17000-18500	17020.00
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Solvent Content	0-3 (%)	1.80 %
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