

Certificate of Analysis

Date of Testing: 2024-12-17 17:16:10

Date of Next Testing: 2028-12-16 17:16:10

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

CAS Number: 53-84-9

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

Lot #: L2413560

SKU #: **N111610**

Version: **0**

Analysis #: **435706**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
abs-ratio(2a/2b)(E280/E260)	0.19-0.23	0.22
Water by Karl Fischer	0-8 (%)	0.90 %
Purity(HPLC)	98-100 (%)	98.42800 %
abs-ratio(a/b)(E250/E260)	0.8-0.86	0.83
Molar extinction coefficient(H ₂ O, 260.0 nm) (calcd.on anh.sub	17000-18500	17115.00
Solvent Content	0-3 (%)	1.00 %
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