

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-20 16:40:30

Date of Next Testing: 2027-01-19 16:40:30

Product Name: **β-Nicotinamide adenine dinucleotide hydrate**

CAS Number: 53-84-9

Specifications & Purity: Moligand™, for cell culture, ≥96.5%(HPLC), ≥96.5%(spectrophotometric assay), from yeast

Lot #: A2403428

SKU #: N432855

Version: 2

Analysis #: 306873

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	1.52750 %
Purity(Spectrophotometric)(Dry Basis)	96.5-100 (%)	98.50000 %
Purity(HPLC area)	96.5-100 (%)	99.53600 %
Solvent Content (by GC),Acetone	0-3 (%)	1.21000 %
Appearance(N432855)	White to Off-white powder or crystals	White to Off-White Powder or Crystals
Solubility in H2O , Colorless to Faint Yellow,Clear ,50 mg/ml	pass	Pass
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Cell Culture Test	pass	Pass



John Su
QA & QC Manager