

## Certificate of Analysis

Date of Testing: 2023-10-10 11:59:37

Date of Next Testing: 2027-10-09 11:59:37

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

CAS Number: 53-84-9

Specifications & Purity: 97%

Lot #: J2308655

SKU #: **N111609**

**Analysis: 283618**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	3.47 %
Purity(HPLC)	97-100 (%)	99.16600 %
Enzymatic Purity(Dry Basis)	97-100 (%)	99.17 %
Solvent Content (by GC)	0-3 (%)	0.50 %
Appearance (N111609)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager