

Certificate of Analysis

Date of Testing: 2023-07-31 16:37:05

Date of Next Testing: 2027-07-30 16:37:05

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

CAS Number: 53-84-9

Specifications & Purity: 97%

Lot #: G2326319

SKU #: **N111609**

Analysis: **257703**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	1.32 %
Purity(HPLC)	97-100 (%)	98.78700 %
Enzymatic Purity(Dry Basis)	97-100 (%)	97.20 %
Solvent Content (by GC)	0-3 (%)	1.11 %
Appearance (N111609)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless to Faint Yellow Clear ,50 mg/mL, H2O	pass	Pass



John Su
QA & QC Manager