

## Certificate of Analysis

Date of Testing: 2023-11-17 11:24:43

Date of Next Testing: 2027-11-16 11:24:43

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

CAS Number: 53-84-9

Specifications & Purity: 97%

Lot #: K2314150

SKU #: **N111609**

**Analysis:** **296661**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	2.00 %
Purity(HPLC)	97-100 (%)	99.52700 %
Enzymatic Purity(Dry Basis)	97-100 (%)	99.53 %
Solvent Content (by GC)	0-3 (%)	0.20 %
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  
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