

## Certificate of Analysis

Date of Testing: 2024-05-16 11:04:33  
Date of Next Testing: 2025-05-16 11:04:33  
Product Name: **β-Nicotinamide adenine dinucleotide (NAD)**  
CAS Number: 53-84-9  
Specifications & Purity: 95%  
Lot #: K2201658  
SKU #: **N196974**  
**Analysis:** **358617**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Solvent Content (by GC)	0-3 (%)	1.23 %
Purity(HPLC)	95-100 (%)	99.20200 %
Enzymatic Purity(Dry Basis)	95-100 (%)	95.00 %
Water by Karl Fischer	0-10 (%)	3.66 %
Appearance (N196974)	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