

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-29 10:39:46
Date of Next Testing: 2028-07-28 10:39:46
Product Name: **β-Nicotinamide adenine dinucleotide phosphate hydrate**
CAS Number: 53-59-8 (anhydrous)
Specifications & Purity: 95%
Lot #: G2417055
SKU #: **N101669**
Version: **1**
Analysis #: **271066**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Sodium(Na)	0-0.04 (%)	0.02 %
Water by Karl Fischer	0-9 (%)	3.49 %
Purity(HPLC)	95-100 (%)	99.13400 %
Potassium(K)	0-0.04 (%)	0.03 %
Solvent Content	0-4 (%)	2.05 %
Appearance (N101669)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager