

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-25 16:38:17  
 Date of Next Testing: 2028-09-24 16:38:17  
 Product Name: **β-Nicotinamide adenine dinucleotide phosphate sodium salt hydrate(NADP)**  
 CAS Number: 1184-16-3  
 Specifications & Purity: ≥97%  
 Lot #: I2419058  
 SKU #: **N107170**  
 Version: **1**  
 Analysis #: **395042**  
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Solvent Content (by GC), Acetone	0-6 (%)	2.36 %
Purity(Spectrophotometric)(Dry Basis)	97-100 (%)	98.89 %
Water by Karl Fischer	0-9 (%)	0.27 %
Enzymatic Purity(Dry Basis)	97-100 (%)	98.02 %
Purity(HPLC)	97-100 (%)	97.84800 %
Sodium (Na)(anhydrous)	1.5-4.3 (%)	3.25 %
Appearance (N107170)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
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