

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-10 11:57:02

Date of Next Testing: 2027-01-09 11:57:02

Product Name: **β-Nicotinamide adenine dinucleotide phosphate sodium salt hydrate(NADP)**

CAS Number: 1184-16-3

Specifications & Purity: 97%

Lot #: A2304175

SKU #: **N107170**

Version: **0**

Analysis #: **064405**

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 %
Sodium (Na)(anhydrous)	1.5-4.3 (%)	3.25 %
Purity(HPLC)	97-100 (%)	97.84800 %
Appearance (N107170)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in H2O , Colorless to Faint Yellow , Clear , 50 mg/ml H2O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager