

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-01-10 12:27:31
Date of Next Testing:	2027-01-09 12:27:31
Product Name:	<b>β-Nicotinamide adenine dinucleotide phosphate sodium salt hydrate(NADP)</b>
CAS Number:	1184-16-3
Specifications & Purity:	97%
Lot #:	A2304178
SKU #	<b>N107170</b>
Version	<b>0</b>
Analysis #:	<b>064405</b>
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 H <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager