

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-11-14 10:21:20
Date of Next Testing:	2024-11-13 10:21:20
Product Name:	<b>NADPH</b>
CAS Number:	2646-71-1
Specifications & Purity:	≥93%
Lot #:	K2309008
SKU #	<b>N276326</b>
<b>Analysis:</b>	<b>295284</b>
Storage Temperature:	Protected from light,Store at -20°C,Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	93-100 (%)	95.20000 %
abs-ratio(a/b)(E340/E260, pH10.0)	0.41-0.44	0.41
Sodium(by ICP)	8-12 (%)	11.98 %
Water by Karl Fischer	0-12 (%)	3.94 %
Appearance(N276326)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
Molar extinction coefficient(pH10.0, 260 nm)	≥12900	≥12900
Molar extinction coefficient2(pH10.0, 340 nm)	≥5400(pH10.0, 340 nm)	≥5400(pH10.0, 340 nm)
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Solubility in 0.01 N NaOH	Very Faint Green-Yellow to Yellow,Clear,50 mg/mL	Very Faint Green-Yellow to Yellow,Clear,50 mg/mL



John Su  
QA & QC Manager