

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-02 16:40:19
 Date of Next Testing: 2023-11-02 16:40:19
 Product Name: **NADPH**
 CAS Number: 2646-71-1
 Specifications & Purity: $\geq 93\%$
 Lot #: J2220038
 SKU #: **N276326**
Analysis: **151146**
 Storage Temperature: Protected from light, Store at -20°C , Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	93-100 (%)	96.31900 %
abs-ratio(a/b)(E340/E260, pH10.0)	0.41-0.44	0.41
Water by Karl Fischer	0-12 (%)	4.62 %
Sodium(by ICP)	8-12 (%)	9.26 %
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