

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-12 15:58:57
 Date of Next Testing: 2024-01-12 15:58:57
 Product Name: **NADPH**
 CAS Number: 2646-71-1
 Specifications & Purity: $\geq 93\%$
 Lot #: A2305299
 SKU #: **N276326**
Analysis: **178139**
 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