

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-14 13:15:45

Date of Next Testing: 2026-10-14 13:15:45

Product Name: **O-(4-Nitrophenylphosphoryl) choline**

CAS Number: 21064-69-7

Specifications & Purity: $\geq 98\%$

Lot #: J2411953

SKU #: **N131172**

Version: **0**

Analysis #: **419752**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-6 (%)	1.35280 %
Nitrogen by Elemental Analysis (anhydrous)	8.9-9.5 (%)	8.97400 %
Purity(HPLC)	98-100 (%)	99.83500 %
Carbon by Elemental Analysis(anhydrous)	42.1-44.8 (%)	42.53000 %
Appearance (N131172)	white to off-white to light yellow solid	white to off-white to light yellow solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, light yellow clear solution(50 mg/ml, H ₂ O)	pass	Pass



John Su
QA & QC Manager