

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-16 13:42:22

Date of Next Testing: 2027-11-15 13:42:22

Product Name: **4-Nitrophenyl phosphate disodium salt hexahydrate**

CAS Number: 333338-18-4

Specifications & Purity: $\geq 98\%$

Lot #: K2310010

SKU #: **P109039**

Version: **1**

Analysis #: **101269**

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

Parameter	Limit Values	Result
Purity(Ion exchange titration)	97.5-102.5 (%)	98.89000 %
Sodium(Na)	11.7-13 (%)	11.75000 %
Water by Karl Fischer	28-30 (%)	29.99000 %
Purity(HPLC)	98-100 (%)	98.01000 %
Phosphorus (P)	8-8.6 (%)	8.59000 %
Appearance (P109039)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Yellow-Green, Clear to Hazy, 100mg/ml	pass	Pass



John Su
QA & QC Manager