

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-13 16:12:10

Date of Next Testing: 2030-04-12 16:12:10

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

CAS Number: 333338-18-4

Specifications & Purity:  $\geq 98\%$

Lot #: D2603002

SKU #: **P109039**

Version: **1**

Analysis #: **453563**

Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                                           | Limit Values                             | Result                                   |
|-------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(Ion exchange titration)                                                      | 97.5-102.5 (%)                           | 98.42000 %                               |
| Sodium(Na)                                                                          | 11.7-13 (%)                              | 12.36100 %                               |
| Water by Karl Fischer                                                               | 28-30 (%)                                | 29.88000 %                               |
| Purity(HPLC)                                                                        | 98-100 (%)                               | 98.13500 %                               |
| Phosphorus (P)                                                                      | 8-8.6 (%)                                | 8.25100 %                                |
| 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 <sub>2</sub> O , Colorless to Yellow-Green, Clear to Hazy, 100mg/ml | pass                                     | Pass                                     |



John Su  
QA & QC Manager