

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-12 15:19:36

Date of Next Testing: 2029-06-11 15:19:36

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

CAS Number: 333338-18-4

Specifications & Purity:  $\geq 98\%$

Lot #: I2115143

SKU # **P109039**

Version **1**

**Analysis #:** **522688**

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

| Parameter                                                                           | Limit Values                             | Result                                   |
|-------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(Ion exchange titration)                                                      | 97.5-102.5 (%)                           | 98.50000 %                               |
| Sodium(Na)                                                                          | 11.7-13 (%)                              | 11.70000 %                               |
| Water by Karl Fischer                                                               | 28-30 (%)                                | 29.40000 %                               |
| Purity(HPLC)                                                                        | 98-100 (%)                               | 98.80000 %                               |
| Phosphorus (P)                                                                      | 8-8.6 (%)                                | 8.00000 %                                |
| 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