

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-18 14:59:06  
Date of Next Testing: 2029-07-17 14:59:06  
Product Name: **Sodium phosphate dibasic dodecahydrate**  
CAS Number: 10039-32-4  
Specifications & Purity: GR, ≥99%  
Lot #: G2510559  
SKU #: **S112623**  
Version: **1**  
Analysis #: **527949**  
Storage Temperature: Protected from light, Room temperature, Desiccated, Cool

| Parameter  | Limit Values                     | Result                           |
|--|----------------------------------|----------------------------------|
| Iron(Fe)   | 0-5 (ppm)                        | 0.00000 ppm                      |
| (As)Arsenic  | 0-0.5 (ppm)                      | 0.00000 ppm                      |
| Sulfate(SO42-)   | 0-50 (ppm)                       | 0.00000 ppm                      |
| Assay  | 98.5-101.5 (%)                   | 100.05000 %                      |
| Chloride (Cl-)   | 0-5 (ppm)                        | 0.00000 ppm                      |
| pH   | 9-9.3                            | 9.27000                          |
| Heavy metal (as Pb)  | 0-5 (ppm)                        | 0.00000 ppm                      |
| Potassium(K)   | 0-50 (ppm)                       | 50.00000 ppm                     |
| Insoluble matter in H2O                                    | 0-0.005 (%)                      | 0.00000 %                        |
| Nitrogen compounds(as N)                                   | 0-0.001 (%)                      | 0.00100 %                        |
| Appearance (S112623)                                       | colorless to white crystal solid | colorless to white crystal solid |
| Solubility in H2O , Colorless Clear, 0.5 g to 10 ml of H2O | pass                             | Pass                             |
| X-Ray Diffraction  | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager