

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                 |
|--------------------------|---------------------------------|
| Date of Testing:         | 2022-10-31 16:06:38             |
| Date of Next Testing:    | 2026-10-30 16:06:38             |
| Product Name:            | <b>Sodium phosphate dibasic</b> |
| CAS Number:              | 7558-79-4                       |
| Specifications & Purity: | anhydrous, 99.0%, ACS           |
| Lot #:                   | J2227777                        |
| SKU #                    | <b>S274390</b>                  |
| <b>Analysis:</b>         | <b>145289</b>                   |
| Storage Temperature:     | Room temperature                |

| Parameter                                     | Limit Values                          | Result                                |
|---|---------------------------------------|---------------------------------------|
| Purity (T)                                    | 99-101 (%)                            | 100.34 %                              |
| Insoluble matter                              | ≤ 0.01 (%)                            | 0.00 %                                |
| PH  | 8.7-9.3                               | 9.07                                  |
| Loss on drying(105°C)                         | ≤ 0.2 (%)                             | 0.12 %                                |
| (As)Arsenic                                   | ≤ 1 (ppm)                             | 0.00 ppm                              |
| Calcium(Ca)                                   | ≤ 10 (ppm)                            | 0.00 ppm                              |
| Cadmium(Cd)                                   | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Cobalt(Co)                                    | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Chromium (ICP)                                | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Copper(Cu)                                    | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Iron(Fe)                                      | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Potassium(K)                                  | ≤ 50 (ppm)                            | 0.00 ppm                              |
| Magnesium(Mg)                                 | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Manganese(Mn)                                 | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Nickel(Ni)                                    | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Lead(Pb)                                      | ≤ 2 (ppm)                             | 0.00 ppm                              |
| Zinc(Zn)                                      | ≤ 5 (ppm)                             | 0.00 ppm                              |
| Total sulfur as SO4 (ICP)                     | ≤ 50 (ppm)                            | 0.00 ppm                              |
| Heavy metals                                  | ≤ 10 (ppm)                            | 0.00 ppm                              |
| Chloride (Cl-)                                | ≤ 10 (ppm)                            | 0.00 ppm                              |
| Total Nitrogen                                | ≤ 10 (ppm)                            | 1.00 ppm                              |
| Appearance(S274390)                           | Colorless or White Powder or Crystals | Colorless or White Powder or Crystals |
| Solubility,Colorless,Clear,25°C water 50mg/mL | Pass                                  | Pass                                  |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager