

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|---|
| Date of Testing: | 2025-10-16 15:54:59 |
| Date of Next Testing: | 2028-10-15 15:54:59 |
| Product Name: | Sodium dihydrogen phosphate dihydrate |
| CAS Number: | 13472-35-0 |
| Specifications & Purity: | Ph.Eur., Suitable for Analysis, ISO, Premium pure |
| Lot #: | J2515154 |
| SKU # | S431967 |
| Version | 1 |
| Analysis #: | 592668 |
| Storage Temperature: | Room temperature |

| Parameter | Limit Values | Result |
|---|---------------|------------|
| Purity(alkalimetric, calculated on anhydrous substance) | 99-100.5 (%) | 99.12000 % |
| In water insoluble matter (calculated on dried substance) | ≤0.15 (%) | 0.00000 % |
| pH-value (1 %, water) | 4.1-5.0 | 4.35000 |
| pH-value (5 %; water) | 4.2-4.5 | 4.24000 |
| Chloride (Cl ⁻) | 0-0.0005 (%) | 0.00 % |
| Fluoride (F ⁻) | 0-0.001 (%) | 0.00 % |
| Total nitrogen (as N) | ≤0.001 (%) | 0.00000 % |
| Sulfate(SO ₄ ²⁻) | 0-0.01 (%) | 0.00 % |
| Heavy metals(as Pb) | 0-0.0005 (%) | 0.00 % |
| (As)Arsenic | 0-0.00005 (%) | 0.00 % |
| Calcium(Ca) | 0-0.005 (%) | 0.00 % |
| Cadmium(Cd) | 0-0.0001 (%) | 0.00 % |
| Cobalt(Co) | 0-0.005 (%) | 0.00 % |
| Copper(Cu) | 0-0.005 (%) | 0.00 % |
| Iron(Fe) | 0-0.001 (%) | 0.00 % |
| Loss on drying(130°C) | 21.5-24.0 (%) | 22.77 % |
| Mercury(ICP) | ≤0.00001 (%) | 0.00 % |
| Potassium(K) | 0-0.005 (%) | 0.00 % |
| Magnesium(Mg) | 0-0.005 (%) | 0.00 % |
| Nickel(Ni) | 0-0.005 (%) | 0.00 % |
| Lead(Pb) | 0-0.0004 (%) | 0.00 % |
| Zinc(Zn) | 0-0.025 (%) | 0.00 % |
| Hydrogenphosphate(HPO ₄) | ≤ 0.5 (%) | 0.00000 % |

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| Parameter | Limit Values | Result |
|---|--|--|
| Appearance(S431967) | Colorless or White Crystals, May Contain Lumps | Colorless or White Crystals, May Contain Lumps |
| Substances reducing potassium permanganate (as O) | passes test | Passes test |

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

John Su
QA & QC Manager