

## Certificate of Analysis

Date of Testing: 2023-03-31 13:31:08

Date of Next Testing: 2026-03-30 13:31:08

Product Name: **Sodium dihydrogen phosphate dihydrate**

CAS Number: 13472-35-0

Specifications & Purity: Premium pure, Suitable for Analysis, ISO, Ph.Eur.

Lot #: C2323717

SKU #: **S431967**

Version: **1**

Analysis #: **193353**

Storage Temperature: Room temperature

| Parameter                                                 | Limit Values  | Result      |
|-----------------------------------------------------------|---------------|-------------|
| In water insoluble matter (calculated on dried substance) | ≤0.15 (%)     | 0.11880 %   |
| pH-value (1 %, water)                                     | 4.1-5.0       | 4.52900     |
| pH-value (5 %; water)                                     | 4.2-4.5       | 4.32800     |
| Chloride (Cl-)                                            | 0-0.0005 (%)  | 0.00 %      |
| Fluoride (F-)                                             | 0-0.001 (%)   | 0.00 %      |
| Total nitrogen (as N)                                     | ≤0.001 (%)    | 0.00000 %   |
| Sulfate(SO42-)                                            | 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 (%) | 23.00 %     |
| 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(HPO4)                                   | ≤ 0.5 (%)     | 0.48000 %   |
| Purity(alkalimetric, calculated on anhydrous substance)   | 99-100.5 (%)  | 100.50000 % |



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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