

Certificate of Analysis

Date of Testing: 2024-02-27 16:40:25

Date of Next Testing: 2027-02-26 16:40:25

Product Name: **Sodium dihydrogen phosphate dihydrate**

CAS Number: 13472-35-0

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

Lot #: B2418146

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 %



ALADDIN SCIENTIFIC CORPORATION

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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