

Certificate of Analysis

Date of Testing: 2024-09-05 13:40:09

Date of Next Testing: 2027-09-05 13:40:09

Product Name: **Sodium dihydrogen phosphate dihydrate**

CAS Number: 13472-35-0

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

Lot #: H2427052

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

14078 Meridian Parkway, Riverside, CA. 92518

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