

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-12 18:38:20
 Date of Next Testing: 2027-09-02 18:38:20
 Product Name: **Sodium phosphate monobasic dihydrate**
 CAS Number: 13472-35-0
 Specifications & Purity: Suitable for molecular biology, ≥99%(T)
 Lot #: I2510080
 SKU #: **S102315**
 Version: **2**
 Analysis #: **576289**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
(Pb)Lead	0-5 (ppm)	0.00000 ppm
Aluminum(Al)	0-5 (ppm)	0.00000 ppm
pH	4-4.5	4.00000
Lithium(Li)	0-5 (ppm)	0.97000 ppm
Magnesium(Mg)	0-5 (ppm)	0.46000 ppm
Potassium(K)	0-200 (ppm)	85.80000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
(As)Arsenic	0-0.2 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Anion traces	0-50 (ppm)	21.30000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
A280nm (1M in water)	0-0.07	0.00000
A260nm(1M in water)	0-0.085	0.00000
Manganese(Mn)	0-5 (ppm)	0.00700 ppm
Purity (Titration by NaOH)	98.5-101.5 (%)	99.40000 %
DNases	none detected	none detected

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Parameter

Insoluble matter

phosphatases

proteases

RNases

Solubility in H₂O , soluble , 1M , 20°C, clear, colorless

X-Ray Diffraction

Limit Values

pass

none detected

none detected

none detected

pass

Conforms to Structure

Result

Pass

none detected

none detected

none detected

Pass

Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager