

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-07 08:41:29
Date of Next Testing: 2028-06-06 08:41:29
Product Name: **Sodium phosphate dibasic dodecahydrate**
CAS Number: 10039-32-4
Specifications & Purity: BioReagent, ≥99%(T)
Lot #: F2503500
SKU #: **S755818**
Version: **1**
Analysis #: **517034**
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Assay(Titration by HCL)	98.5-102.5 (%)	100.06000 %
Aluminum(Al)	0-5 (ppm)	0.00000 ppm
Arsenic(As)	0-0.5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	38.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	1.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Lead(Pb)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Chloride (Cl-)	0-5 (ppm)	1.00000 ppm
Fluoride (F-)	0-5 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-50 (ppm)	0.00000 ppm
pH(0.1M water)	8.8-9.4	9.26000
UV - ABS. AT 260 nm(0.1M water)	0-0.01	0.00600

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Parameter	Limit Values	Result
UV - ABS. AT 280 nm(0.1M water)	0-0.01	0.00500
Drying loss	57-61 (%)	57.20000 %
Appearance(S755818)	Colorless to white crystal or solid	Colorless to white crystal or solid
Residue (filter test)	no residue	no residue
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager