

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-23 18:09:54
 Date of Next Testing: 2028-09-22 18:09:54
 Product Name: **Sodium phosphate dibasic dihydrate**
 CAS Number: 10028-24-7
 Specifications & Purity: UltraBio™, Suitable for molecular biology, Ultra pure, ≥99%(T)
 Lot #: I2522585
 SKU #: **S431143**
 Version: **3**
 Analysis #: **570459**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Assay(Titration)	99-101 (%)	100.69 %
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	3.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	15.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.60 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Arsenic(As)(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-50 (ppm)	0.00 ppm
Chloride (Cl ⁻)	0-10 (ppm)	2.00 ppm
Total Nitrogen	0-10 (ppm)	8.00 ppm
UV - ABS. AT 260 NM(0.5M in H ₂ O)	0-0.05	0.04600
UV - ABS. AT 280 NM(0.5M in H ₂ O)	0-0.04	0.03900

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Parameter	Limit Values	Result
PH (0.5M in H ₂ O)	8.9-9.2	9.20000
Solubility(0.5m in H ₂ O),Clear colorless solution	Pass	Pass
Appearance(S431143)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Residue (filter test)	no residue	no residue
Dnases, Rnases, Proteases, Phosphatases	None Detected	none detected

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

John Su
QA & QC Manager