

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-24 15:01:17

Date of Next Testing: 2028-09-23 15:01:17

Product Name: **Sodium phosphate dibasic dihydrate**

CAS Number: 10028-24-7

Grades & Purity: UltraBio™, Suitable for molecular biology, Ultra pure, ≥99%(T)

Lot #: I2524329

SKU #: **S431143**

Version: **3**

Analysis #: **570459**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Assay(Titration)	99-101 (%)	100.69000 %
Aluminum(Al)	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)	3.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	15.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.60000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 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
Arsenic(As)(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-50 (ppm)	0.00000 ppm
Chloride (Cl ⁻)	0-10 (ppm)	2.00000 ppm
Total Nitrogen	0-10 (ppm)	8.00000 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



John Su
QA & QC Manager