

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-10-14 13:55:23
Date of Next Testing:	2026-10-04 13:55:23
Product Name:	Potassium phosphate dibasic anhydrous
CAS Number:	7758-11-4
Specifications & Purity:	for molecular biology, ≥99%(T)
Lot #:	J2409619
SKU #	P112220
Version	1
Analysis #:	405699
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-50 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Purity(Titration by HClO4)	99-101 (%)	99.11%
PH	8.7-9.3	9.04
Lead(Pb)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
(As)Arsenic	0-0.1 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-5000 (ppm)	580.00 ppm
UV Absorbance 280nm	0-0.15	0.01
UV Absorbance 260nm	0-0.2	0.02
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm

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Parameter	Limit Values	Result
Appearance (P112220)	white crystalline powder	white crystalline powder
DNAse, RNAse, Protease, Phosphatase	None Detected	none detected
Solubility in H ₂ O , Clear Colorless , 5.225g/30ml (1M), H ₂ O	pass	Pass
λ,1 M in H ₂ O	Pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager