

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

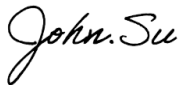
Date of Testing:	2023-03-13 19:03:59
Date of Next Testing:	2025-03-02 19:03:59
Product Name:	<b>Potassium phosphate dibasic anhydrous</b>
CAS Number:	7758-11-4
Specifications & Purity:	for molecular biology, ≥99.0%(T)
Lot #:	C2306059
SKU #	<b>P112220</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>173069</b>
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Manganese(Mn)	0-5 (ppm)	2.63 ppm
Sulfate(SO42-)	0-50 (ppm)	8.63 ppm
Copper(Cu)	0-5 (ppm)	2.05 ppm
PH	8.7-9.3	8.92
Lead(Pb)	0-5 (ppm)	1.49 ppm
Nickel(Ni)	0-5 (ppm)	1.63 ppm
(As)Arsenic	0-0.1 (ppm)	0.03 ppm
Bismuth(Bi)	0-5 (ppm)	2.58 ppm
Sodium(Na)	0-5000 (ppm)	12.63 ppm
UV Absorbance 280nm	0-0.15	0.06
UV Absorbance 260nm	0-0.2	0.14
Cadmium(Cd)	0-5 (ppm)	1.05 ppm
Chloride (Cl-)	0-50 (ppm)	50.00 ppm
Barium(Ba)	0-5 (ppm)	0.63 ppm
Chromium(Cr)	0-5 (ppm)	0.52 ppm
Iron(Fe)	0-5 (ppm)	0.25 ppm
Calcium(Ca)	0-10 (ppm)	3.85 ppm
Lithium(Li)	0-5 (ppm)	1.51 ppm
Strontium(Sr)	0-5 (ppm)	2.30 ppm
Zinc(Zn)	0-5 (ppm)	1.63 ppm
Cobalt(Co)	0-5 (ppm)	0.63 ppm
Aluminum(Al)	0-5 (ppm)	1.16 ppm
Magnesium(Mg)	0-5 (ppm)	2.04 ppm
Molybdenum(Mo)	0-5 (ppm)	2.36 ppm
Purity(Titration by HClO4)	99-101 (%)	99.28 %

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



John Su  
QA & QC Manager