

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

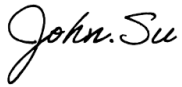
Date of Testing: 2022-07-21 10:59:06
 Date of Next Testing: 2024-07-10 10:59:06
 Product Name: **Potassium phosphate dibasic anhydrous**
 CAS Number: 7758-11-4
 Specifications & Purity: for molecular biology, ≥99.0%(T)
 Lot #: G2215513
 SKU #: **P112220**
Analysis: **098018**
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Manganese(Mn)	0-5 (ppm)	3.00 ppm
Sulfate(SO42-)	0-50 (ppm)	24.70 ppm
Copper(Cu)	0-5 (ppm)	3.10 ppm
PH	8.7-9.3	8.90
Lead(Pb)	0-5 (ppm)	2.70 ppm
Nickel(Ni)	0-5 (ppm)	2.81 ppm
(As)Arsenic	0-0.1 (ppm)	0.05 ppm
Bismuth(Bi)	0-5 (ppm)	2.90 ppm
Sodium(Na)	0-5000 (ppm)	2000.00 ppm
UV Absorbance 280nm	0-0.15	0.08
UV Absorbance 260nm	0-0.2	0.10
Cadmium(Cd)	0-5 (ppm)	3.20 ppm
Chloride (Cl-)	0-50 (ppm)	49.80 ppm
Barium(Ba)	0-5 (ppm)	2.54 ppm
Chromium(Cr)	0-5 (ppm)	2.25 ppm
Iron(Fe)	0-5 (ppm)	3.00 ppm
Calcium(Ca)	0-10 (ppm)	6.10 ppm
Lithium(Li)	0-5 (ppm)	2.56 ppm
Strontium(Sr)	0-5 (ppm)	3.10 ppm
Zinc(Zn)	0-5 (ppm)	3.30 ppm
Cobalt(Co)	0-5 (ppm)	2.77 ppm
Aluminum(Al)	0-5 (ppm)	2.81 ppm
Magnesium(Mg)	0-5 (ppm)	3.00 ppm
Molybdenum(Mo)	0-5 (ppm)	1.90 ppm
Purity(Titration by HClO4)	99-101 (%)	99.21%
Appearance (P112220)	white crystalline powder	white crystalline powder

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Parameter	Limit Values	Result
DNase, RNase, Protease, Phosphatase	None Detected	none detected
Ignition Residue (as sulfate)	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