

Certificate of Analysis

Date of Testing: 2023-11-24 16:35:40
Date of Next Testing: 2027-11-23 16:35:40
Product Name: **Potassium phosphate monobasic**
CAS Number: 7778-77-0
Specifications & Purity: for molecular biology, $\geq 99\%$
Lot #: K2321491
SKU #: **P113043**
Analysis: **293619**

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	100.03 %
Heavy metal (as Pb)	0-10 (ppm)	2.04 ppm
Iron(Fe)	0-20 (ppm)	1.06 ppm
Chloride	0-10 (ppm)	7.00 ppm
Appearance (P113043)	White powder	White powder
DNases	none detected	none detected
Phosphorus by ICP	positive for phosphorus	positive for phosphorus
Potassium by ICP	positive for potassium	positive for potassium
proteases	none detected	none detected
RNases	none detected	none detected
Solubility, 1g/5ml water	Clear colorless	Clear Colorless
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager