

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-12-13 19:15:55
Date of Next Testing: 2026-12-12 19:15:55
Product Name: Potassium phosphate monobasic
CAS Number: 7778-77-0
Specifications & Purity: for HPLC, $\geq 99.5\%$ (T)
Lot #: L2212148
SKU #: P113045
Analysis: 168154

Parameter	Limit Values	Result
UV Absorbance 210nm(10 % in H ₂ O)	0-0.1	0.02800
UV Absorbance 300nm(10 % in H ₂ O)	0-0.02	0.00000
UV Absorbance 230nm(10 % in H ₂ O)	0-0.04	0.00400
UV Absorbance 500nm(10 % in H ₂ O)	0-0.02	0.00000
UV Absorbance 220nm(10 % in H ₂ O)	0-0.06	0.01700
Purity(Neutralization titration)	99.5-100.5 (%)	99.59000 %
Appearance (P113045)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Filtration test	corresponds to standard	corresponds to standard
pKa	6.8	6.8
Solubility in H ₂ O , soluble0.1 g/mL at 25 °C, clear, colorless	pass	Pass
test for RP gradient	corresponds to standard	corresponds to standard
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager