

Certificate of Analysis

Date of Testing: 2022-02-22 11:27:03
Date of Next Testing: 2026-02-21 11:27:03
Product Name: **Potassium phosphate monobasic**
CAS Number: 7778-77-0
Specifications & Purity: for HPLC, $\geq 99.5\%$ (T)
Lot #: B2218046
SKU #: **P113045**
Analysis: **076647**

Parameter	Limit Values	Result
UV Absorbance 210nm(10 % in H ₂ O)	0-0.1	0.05
UV Absorbance 300nm(10 % in H ₂ O)	0-0.02	0.01
UV Absorbance 230nm(10 % in H ₂ O)	0-0.04	0.03
UV Absorbance 500nm(10 % in H ₂ O)	0-0.02	0.01
UV Absorbance 220nm(10 % in H ₂ O)	0-0.06	0.02
Purity(Neutralization titration)	99.5-100.5 (%)	99.99%
Appearance (P113045)	White Powder or Beads	White Powder or Beads
Filtration test	corresponds to standard	corresponds to standard
pKa	6.8	6.8
Solubility in H ₂ O , soluble 0.1 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



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QA & QC Manager