

## Certificate of Analysis

Date of Testing: 2022-12-08 11:33:40  
Date of Next Testing: 2026-12-07 11:33:40  
Product Name: **Potassium phosphate monobasic**  
CAS Number: 7778-77-0  
Specifications & Purity: for HPLC,  $\geq 99.5\%$ (T)  
Lot #: L2206830  
SKU #: **P113045**  
Analysis: **164349**

Parameter	Limit Values	Result
UV Absorbance 210nm(10 % in H2O)	0-0.1	0.03
UV Absorbance 300nm(10 % in H2O)	0-0.02	0.00
UV Absorbance 230nm(10 % in H2O)	0-0.04	0.00
UV Absorbance 500nm(10 % in H2O)	0-0.02	0.00
UV Absorbance 220nm(10 % in H2O)	0-0.06	0.02
Purity(Neutralization titration)	99.5-100.5 (%)	99.59%
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 H2O , 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