

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-07 19:43:06  
Date of Next Testing: 2026-12-06 19:43:06  
Product Name: **Potassium phosphate monobasic**  
CAS Number: 7778-77-0  
Specifications & Purity: for HPLC,  $\geq 99.5\%$ (T)  
Lot #: L2206794  
SKU #: **P113045**  
Analysis: **164651**

| 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