

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

## Certificate of Analysis

Date of Testing: 2024-03-19 13:45:56  
Date of Next Testing: 2028-03-18 13:45:56  
Product Name: Potassium phosphate monobasic  
CAS Number: 7778-77-0  
Specifications & Purity: for HPLC,  $\geq 99.5\%$ (T)  
Lot #: C2406018  
SKU #: P113045  
Version: 0  
Analysis #: 213289

| Parameter                                                                   | Limit Values                          | Result                                |
|-----------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| UV Absorbance 210nm(10 % in H <sub>2</sub> O)                               | 0-0.1                                 | 0.02800                               |
| UV Absorbance 300nm(10 % in H <sub>2</sub> O)                               | 0-0.02                                | 0.00000                               |
| UV Absorbance 230nm(10 % in H <sub>2</sub> O)                               | 0-0.04                                | 0.00400                               |
| UV Absorbance 500nm(10 % in H <sub>2</sub> O)                               | 0-0.02                                | 0.00000                               |
| UV Absorbance 220nm(10 % in H <sub>2</sub> 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 <sub>2</sub> 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