

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

## Certificate of Analysis

Date of Testing: 2024-03-26 11:38:56  
Date of Next Testing: 2028-03-25 11:38:56  
Product Name: Potassium phosphate monobasic  
CAS Number: 7778-77-0  
Specifications & Purity: Analytical Reagent, 99.5%  
Lot #: C2422265  
SKU #: P104075  
Analysis: 316444

| Parameter                               | Limit Values                                      | Result                                            |
|-----------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Iron(Fe)                                | 0-0.001 (%)                                       | 0.00000 %                                         |
| Sodium(Na)                              | 0-0.02 (%)                                        | 0.01010 %                                         |
| PH(5% in water, 25°C)                   | 4.2-4.5                                           | 4.47400                                           |
| Total Nitrogen                          | 0-0.001 (%)                                       | 0.00000 %                                         |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.003 (%)                                       | 0.00000 %                                         |
| Insoluble matter in H <sub>2</sub> O    | 0-0.002 (%)                                       | 0.00000 %                                         |
| Loss on drying                          | 0-0.2 (%)                                         | 0.15430 %                                         |
| (As)Arsenic                             | 0-0.0005 (%)                                      | 0.00000 %                                         |
| Heavy metal (as Pb)                     | 0-0.001 (%)                                       | 0.00000 %                                         |
| Assay                                   | 99.5-100 (%)                                      | 99.84000 %                                        |
| Chloride (Cl <sup>-</sup> )             | 0-0.001 (%)                                       | 0.00000 %                                         |
| Appearance (P104075)                    | Colorless or White Powder, Crystals and/or Chunks | Colorless or White Powder, Crystals and/or Chunks |
| X-Ray Diffraction                       | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager