

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

## Certificate of Analysis

Date of Testing: 2022-05-11 10:39:51  
Date of Next Testing: 2026-05-10 10:39:51  
Product Name: **Potassium phosphate monobasic**  
CAS Number: 7778-77-0  
Specifications & Purity: Analytical Reagent, 99.5%  
Lot #: E2209140  
SKU #: **P104075**  
Analysis: **090432**

| Parameter                               | Limit Values                         | Result                               |
|-----------------------------------------|--------------------------------------|--------------------------------------|
| Iron(Fe)                                | 0-0.001 (%)                          | 0.00039 %                            |
| Sodium(Na)                              | 0-0.02 (%)                           | 0.01200 %                            |
| PH(5% in water, 25°C)                   | 4.2-4.5                              | 4.40000                              |
| Total Nitrogen                          | 0-0.001 (%)                          | 0.00050 %                            |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.003 (%)                          | 0.00160 %                            |
| Insoluble matter in H <sub>2</sub> O    | 0-0.002 (%)                          | 0.00100 %                            |
| Loss on drying                          | 0-0.2 (%)                            | 0.15000 %                            |
| (As)Arsenic                             | 0-0.0005 (%)                         | 0.00024 %                            |
| Heavy metal (as Pb)                     | 0-0.001 (%)                          | 0.00038 %                            |
| Assay                                   | 99.5-100 (%)                         | 99.99010 %                           |
| Appearance (P104075)                    | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| X-Ray Diffraction                       | Conforms to Structure                | Conforms to Structure                |



John Su  
QA & QC Manager