

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

## Certificate of Analysis

Date of Testing: 2022-08-23 16:32:45  
Date of Next Testing: 2026-08-22 16:32:45  
Product Name: **Potassium phosphate monobasic**  
CAS Number: 7778-77-0  
Specifications & Purity: AR, ≥99.5%  
Lot #: H2217759  
SKU #: **P104075**  
Version: **1**  
Analysis #: **128349**

| Parameter               | Limit Values                         | Result                               |
|-------------------------|--------------------------------------|--------------------------------------|
| Iron(Fe)                | 0-0.001 (%)                          | 0.00052 %                            |
| Sodium(Na)              | 0-0.02 (%)                           | 0.01100 %                            |
| PH(5% in water,25℃)     | 4.2-4.5                              | 4.35000                              |
| Total Nitrogen          | 0-0.001 (%)                          | 0.00036 %                            |
| Sulfate(SO42-)          | 0-0.003 (%)                          | 0.00140 %                            |
| Insoluble matter in H2O | 0-0.002 (%)                          | 0.00170 %                            |
| Loss on drying          | 0-0.2 (%)                            | 0.12000 %                            |
| (As)Arsenic             | 0-0.0005 (%)                         | 0.00029 %                            |
| Heavy metal (as Pb)     | 0-0.001 (%)                          | 0.00047 %                            |
| 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