



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM DIHYDROGEN ORTHOPHOSPHATE AR  
(ANHYDROUS)**

**CAS No : 7778-77-0**  
**Mol. Formula :  $\text{KH}_2\text{PO}_4$**   
**Mol. WT : 136.09**  
**Date of analysis : 16/03/24**

**Product code : 24880**  
**Batch No. : MCRT-30631**  
**Mfd. : March 2024**  
**Exp. : Feb. 2029**

| S.R | Test                                      | Specification                                           | Observation               |
|-----|-------------------------------------------|---------------------------------------------------------|---------------------------|
| 1   | Description                               | Almost colourless crystals or white crystalline powder. | White crystalline powder. |
| 2   | Assay (by acidimetry, on dried substance) | 99.5 – 100.5 % w/w                                      | 99.95% w/w                |
| 3   | pH (5% aq.solution)                       | 4.3 - 4.5                                               | 4.33                      |
| 4   | Water insoluble matter                    | 0.01 % max                                              | 0.004%                    |
| 5   | Chloride (Cl)                             | 0.0005% max                                             | < 0.0005%                 |
| 6   | Sulphate ( $\text{SO}_4$ )                | 0.005% max                                              | < 0.005%                  |
| 7   | Nitrate ( $\text{NO}_3$ )                 | 0.001% max                                              | < 0.001%                  |
| 8   | Ammonium( $\text{NH}_4$ )                 | 0.0025% max                                             | < 0.0025%                 |
| 9   | Lead (Pb)                                 | 0.0005% max                                             | < 0.0005%                 |
| 10  | Iron (Fe)                                 | 0.002% max                                              | < 0.002%                  |
| 11  | Sodium (Na)                               | 0.03% max                                               | < 0.03%                   |
| 12  | Calcium (Ca)                              | 0.01% max                                               | < 0.01%                   |
| 13  | Loss on drying at 130°C                   | 0.2 % max                                               | 0.09%                     |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Deepa)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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