



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : POTASSIUM DIHYDROGEN ORTHOPHOSPHATE  
ANHYDROUS LR**

**CAS No : 7778-77-0**  
**Mol. Formula :  $\text{KH}_2\text{PO}_4$**   
**Mol. WT : 136.09**  
**Date of analysis : 21/08/19**

**Product code : 17140**  
**Batch No : MCR-19414**  
**Mfd. : Aug. 2019**  
**Exp. : July 2024**

| S. R | Test                                    | Specification                                           | Observation               |
|------|-----------------------------------------|---------------------------------------------------------|---------------------------|
| 1    | Description                             | Almost colourless crystals or white crystalline powder. | White crystalline powder. |
| 2    | Assay (acidimetric ,on dried substance) | 98 – 101 % w/w                                          | 99.69% w/w                |
| 3    | pH (5% aq.solution)                     | 4.0 - 4.7                                               | 4.35                      |
| 4    | Chloride (Cl)                           | 0.01% max                                               | < 0.01%                   |
| 5    | Sulphate ( $\text{SO}_4$ )              | 0.05% max                                               | < 0.05%                   |
| 6    | Sodium (Na)                             | 0.2% max                                                | < 0.2%                    |
| 7    | Loss on drying (at 130 <sup>0</sup> C)  | 2.0% max                                                | 0.48%                     |

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

**[Tested By]**

**[QC Incharge]**

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

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

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