



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: POTASSIUM CHLORIDE AR**

**CAS No** : 7447-40-7  
**Mol. Formula** : KCl  
**Mol. WT** : 74.56  
**Date of analysis** : 30/06/22

**Product code** : 24840  
**Batch No** : MCRT-18583-01  
**Mfd.** : June 2022  
**Exp.** : May 2027

| S.R | Test                                     | Specification                             | Observation              |
|-----|--|---|--------------------------|
| 1   | <b>Description</b>                       | White crystal or White crystalline powder | White crystalline powder |
| 2   | <b>Assay</b>                             | 99.5 % min                                | 99.56%                   |
| 3   | <b>pH (5% aq. solution)</b>              | 5.0 - 8.0                                 | 7.25                     |
| 4   | <b>Water insoluble matter</b>            | 0.003 % max                               | 0.002%                   |
| 5   | <b>Bromide (Br) &amp; Iodide (I)</b>     | 0.005% max                                | < 0.005%                 |
| 6   | <b>Nitrate (NO<sub>3</sub>)</b>          | 0.001% max                                | <0.001%                  |
| 7   | <b>Phosphate (PO<sub>4</sub>)</b>        | 0.005% max                                | < 0.005%                 |
| 8   | <b>Sulphate (SO<sub>4</sub>)</b>         | 0.003% max                                | <0.003%                  |
| 9   | <b>Ammonium (NH<sub>4</sub>)</b>         | 0.001% max                                | < 0.001%                 |
| 10  | <b>Barium (Ba)</b>                       | 0.001% max                                | < 0.001%                 |
| 11  | <b>Calcium (Ca)</b>                      | 0.001% max                                | < 0.001%                 |
| 12  | <b>Iron (Fe)</b>                         | 0.0002% max                               | < 0.0002%                |
| 13  | <b>Lead (Pb)</b>                         | 0.0005% max                               | < 0.0005%                |
| 14  | <b>Magnesium (Mg)</b>                    | 0.001% max                                | < 0.001%                 |
| 15  | <b>Sodium (Na)</b>                       | 0.05% max                                 | < 0.05%                  |
| 16  | <b>Loss on drying (150<sup>0</sup>C)</b> | 0.2% max                                  | 0.18%                    |

**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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