# CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM DICHROMATE AR**

| | | | |
|---|---|---|---|
| **CAS No** | **: 7778-50-9** | **Product code** | **: 24860** |
| **Mol. Formula** | **: $K_2Cr_2O_7$** | **Batch No** | **: MCAR-00051** |
| **Mol. WT** | **: 294.18** | **Mfd.** | **: April 2024** |
| **Date of analysis** | **: 20/04/24** | **Exp.** | **: March 2029** |

| S.R | Test | Specification | Observation |
|---|---|---|---|
| 1 | **Description** | Orange or orange-red crystals or crystalline powder. | Orange crystalline powder. |
| 2 | **Assay (by iodometry)** | 99.9 % w/w min | 99.91% |
| 3 | **pH(5%aq. solution)** | 3.7 - 3.9 | 3.78 |
| 4 | **Water insoluble matter** | 0.003%max | 0.001% |
| 5 | **Chloride(Cl)** | 0.001%max | <0.001% |
| 6 | **Sulphate($SO_4$)** | 0.005%max | <0.005% |
| 7 | **Calcium(Ca)** | 0.002% max | <0.002% |
| 8 | **Iron(Fe)** | 0.002% max | <0.002% |
| 9 | **Copper(Cu)** | 0.001% max | <0.001% |
| 10 | **Sodium(Na)** | 0.02% max | <0.02% |
| 11 | **Loss on drying(105$^0$C)** | 0.05% max | 0.02% |

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

**[Tested By]** **[QC Incharge]**

**CHEMIST**
**(Jyoti)**

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

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