

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM PERMANGANATE AR**

|                         |                     |                     |              |
|-------------------------|---------------------|---------------------|--------------|
| <b>CAS No</b>           | : 7722-64-7         | <b>Product code</b> | : 25100      |
| <b>Mol. Formula</b>     | : KMnO <sub>4</sub> | <b>Batch No.</b>    | : MCRT-29419 |
| <b>Mol. WT</b>          | : 158.03            | <b>Mfd.</b>         | : Oct. 2023  |
| <b>Date of analysis</b> | : 03/10/23          | <b>Exp.</b>         | : Sept. 2028 |

| S.R | Test                                | Specification   | Observation  |
|-----|-------------------------------------|---|--|
| 1   | <b>Description</b>                  | Dark purple or black or blackish purple or Greenish black or brownish colour crystals or crystalline powder with metallic luster. | Greenish Black crystalline powder with metallic luster . |
| 2   | <b>Assay (by Iodometric)</b>        | 99.5 % w/w min.   | 99.64% w/w   |
| 3   | <b>Substance insoluble in water</b> | 0.05 % max  | 0.01%  |
| 4   | <b>Chloride (Cl)</b>                | 0.005% max  | < 0.005%   |
| 5   | <b>Sulphate (SO<sub>4</sub>)</b>    | 0.005% max  | < 0.005%   |
| 6   | <b>Total Nitrogen (N)</b>           | 0.015% max  | < 0.015%   |
| 7   | <b>Lead (Pb)</b>                    | 0.002% max  | < 0.002%   |
| 8   | <b>Copper (Cu)</b>                  | 0.002% max  | < 0.002%   |
| 9   | <b>Iron (Fe)</b>                    | 0.002% max  | < 0.002%   |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Priyanka)**

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

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