

## CERTIFICATE OF ANALYSIS

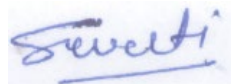
**PRODUCT NAME : MANGANESE (II) ACETATE (TETRAHYDRATE) LR**

|                         |   |                     |             |
|-------------------------|---|---------------------|-------------|
| <b>CAS No</b>           | : 6156-78-1   | <b>Product code</b> | : 15585     |
| <b>Mol. Formula</b>     | : (CH <sub>3</sub> COO) <sub>2</sub> Mn.4H <sub>2</sub> O | <b>Batch No</b>     | : MCR-31571 |
| <b>Mol. WT</b>          | : 245.09  | <b>Mfd.</b>         | : July 2024 |
| <b>Date of analysis</b> | : 26/07/24  | <b>Exp.</b>         | : June 2029 |

| S.R | Test                                 | Specification                     | Observation             |
|-----|--------------------------------------|-----------------------------------|-------------------------|
| 1   | <b>Description</b>                   | Pink powder or crystalline powder | Pink crystalline powder |
| 2   | <b>Assay</b>                         | 99 % min                          | 99.57%                  |
| 3   | <b>Substances insoluble in water</b> | 0.01 % max                        | 0.008%                  |
| 4   | <b>Chloride (Cl)</b>                 | 0.002% max.                       | <0.002%                 |
| 5   | <b>Sulphate(SO<sub>4</sub>)</b>      | 0.005% max.                       | <0.005%                 |
| 6   | <b>Lead (Pb)</b>                     | 0.005% max.                       | <0.005%                 |
| 7   | <b>Calcium (Ca)</b>                  | 0.1% max.                         | <0.1%                   |
| 8   | <b>Iron (Fe)</b>                     | 0.001% max.                       | <0.001%                 |
| 9   | <b>Zinc(Zn)</b>                      | 0.005% max.                       | <0.005%                 |

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

**[Tested By]**



**CHEMIST  
(Swati)**

**[QC Incharge]**



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

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