

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MANGANESE (II) SULPHATE PURIFIED (MONOHYDRATE)**  
(Manganous Sulphate)

|                         |                                       |                     |             |
|-------------------------|---------------------------------------|---------------------|-------------|
| <b>CAS No</b>           | : 10034-96-5                          | <b>Product code</b> | : 15620     |
| <b>Mol. Formula</b>     | : MnSO <sub>4</sub> .H <sub>2</sub> O | <b>Batch No</b>     | : MCR-30197 |
| <b>Mol. WT</b>          | : 169.02                              | <b>Mfd.</b>         | : Jan. 2024 |
| <b>Date of analysis</b> | : 17/01/24                            | <b>Exp.</b>         | : Dec. 2028 |

| S.R | Test                 | Specification                             | Observation                    |
|-----|----------------------|---|--------------------------------|
| 1   | <b>Description</b>   | A pale pink powder or crystalline powder. | Pale pink crystalline powder . |
| 2   | <b>Assay</b>         | 98 % min                                  | 99.48%                         |
| 3   | <b>Chloride (Cl)</b> | 0.05% max                                 | < 0.05%                        |
| 4   | <b>Lead (Pb)</b>     | 0.002% max                                | < 0.002%                       |
| 5   | <b>Iron (Fe)</b>     | 0.002% max                                | < 0.002%                       |
| 6   | <b>Zinc(Zn)</b>      | 0.005%max                                 | <0.005%                        |
| 7   | <b>Calcium (Ca)</b>  | 0.01%max                                  | <0.01%                         |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Durvas)**

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

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