



CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MANGANESE (II) CHLORIDE (TETRAHYDRATE) PURIFIED
(Manganous Chloride)**

| | | | |
|-------------------------|---|---------------------|---------------------|
| CAS No | : 13446- 34- 9 | Product code | : 15590 |
| Mol. Formula | : MnCl₂.4H₂O | Batch No | : MCR-28049 |
| Mol. WT | : 197.90 | Mfd. | : April 2023 |
| Date of analysis | : 06/04/23 | Exp. | : March 2028 |

| S.R | Test | Specification | Observation |
|-----|----------------------------------|-------------------------------------|--------------------------|
| 1 | Description | Pink crystals or crystalline powder | Pink crystalline powder. |
| 2 | Assay | 97 – 101% w/w | 98.23% w/w |
| 3 | Sulphate (SO₄) | 0.05% max | < 0.05% |
| 4 | Barium (Ba) | 0.05% max | < 0.05% |
| 5 | Iron (Fe) | 0.005% max | < 0.005% |
| 6 | Potassium (K) | 0.025% max | < 0.025% |
| 7 | Sodium (Na) | 0.05% max | < 0.05% |
| 8 | Zinc (Zn) | 0.05% max | < 0.05% |

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.

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