



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MANGANESE (II) SULPHATE AR**  
(Manganous Sulphate)

**CAS No : 10034-96-5**  
**Mol. Formula : MnSO<sub>4</sub>.H<sub>2</sub>O**  
**Mol. WT : 169.02**  
**Date of analysis : 18/09/23**

**Product code : 23960**  
**Batch No. : MCRT-29325**  
**Mfd. : Sept. 2023**  
**Exp. : Aug. 2028**

S.R	Test	Specification	Observation
1	<b>Description</b>	A pale pink powder or crystalline powder.	A pale pink crystalline powder .
2	<b>Assay</b>	99.0% min	99.33%
3	<b>Reaction</b>	NLT pH 3.5	6.19
4	<b>Insoluble matter</b>	0.01%max	0.007%
5	<b>Chloride (Cl)</b>	0.001% max	< 0.001%
6	<b>Calcium (Ca)</b>	0.004% max	< 0.004%
7	<b>Copper (Cu)</b>	0.001% max	< 0.001%
8	<b>Iron (Fe)</b>	0.0015% max	< 0.0015%
9	<b>Lead (Pb)</b>	0.001% max	< 0.001%
10	<b>Magnesium (Mg)</b>	0.004% max	< 0.004%
11	<b>Nickel(Ni)</b>	0.002% max	< 0.002%
12	<b>Potassium(k)</b>	0.01% max	< 0.01%
13	<b>Sodium(Na)</b>	0.02% max	< 0.02%
14	<b>Zinc(Zn)</b>	0.01%max	<0.01%
15	<b>Substances reducing iodine(I)</b>	0.01%max	<0.01%
16	<b>Substances reducing permanganate(O)</b>	0.001%max	<0.001%

**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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