

## CERTIFICATE OF ANALYSIS

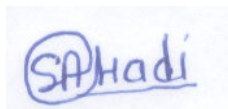
**PRODUCT NAME : MANGANESE (II) SULPHATE AR**  
(Manganous Sulphate)

CAS No	: 10034-96-5	Product code	: 23960
Mol. Formula	: MnSO <sub>4</sub> .H <sub>2</sub> O	Batch No.	: MCAR-01741
Mol. WT	: 169.02	Mfd.	: June 2025
Date of analysis	: 17/06/25	Exp.	: May 2030

S.R	Test	Specification	Observation
1	<b>Description</b>	A pale pink powder or crystalline powder.	A pale pink powder .
2	<b>Assay</b>	99.0% min	99.42%
3	<b>Reaction</b>	NLT pH 3.5	3.65
4	<b>Insoluble matter</b>	0.01%max	0.005%
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]**



**CHEMIST**  
(Sonu)



**[QC Incharge]**



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

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