



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MAGNESIUM SULPHATE (HEPTAHYDRATE)AR**

**CAS No : 10034-99-8**      **Product code : 23900**  
**Mol. Formula : MgSO<sub>4</sub>.7H<sub>2</sub>O**      **Batch No. : MCRT-30294**  
**Mol. WT : 246.48**      **Mfd. : Jan. 2024**  
**Date of analysis : 27/01/24**      **Exp. : Dec. 2028**

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless or white or almost white crystals or crystalline powder.	White crystalline powder.
2	<b>Assay</b>	99.5% min	99.77%
3	<b>pH (5% water)</b>	5.0 - 8.0	6.10
4	<b>Water insoluble matter</b>	0.003 %max	0.001%
5	<b>Chloride (Cl)</b>	0.0002% max	<0.0002%
6	<b>Lead (Pb)</b>	0.0002% max	<0.0002%
7	<b>Calcium (Ca)</b>	0.005% max	<0.005%
8	<b>Iron (Fe)</b>	0.0001% max	<0.0001%
9	<b>Potassium (K)</b>	0.005% max	<0.005%
10	<b>Manganese (Mn)</b>	0.0005% max	<0.0005%
11	<b>Sodium (Na)</b>	0.005% max	<0.005%
12	<b>Nitrate (NO<sub>3</sub>)</b>	0.001 % max	<0.001 %
13	<b>Phosphate (PO<sub>4</sub>)</b>	0.0005% max	<0.0005%
14	<b>Ammonium (NH<sub>4</sub>)</b>	0.002% max	<0.002%
15	<b>Arsenic (As)</b>	0.00004% max	<0.00004%
16	<b>Copper (Cu)</b>	0.0002% max	<0.0002%
17	<b>Zinc (Zn)</b>	0.0005% max	<0.0005%

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Ketaki)**

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

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

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