

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : MAGNESIUM CHLORIDE (HEXAHYDRATE) AR**

**CAS No : 7791-18-6**  
**Mol. Formula : MgCl<sub>2</sub>.6H<sub>2</sub>O**  
**Mol. WT : 203.30**  
**Date of analysis : 02/07/24**

**Product code : 23880**  
**Batch No. : MCAR-00338**  
**Mfd. : July 2024**  
**Exp. : June 2029**

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless deliquescent crystals or white crystalline powder	White crystalline powder .
2	<b>Assay (ex Cl)</b>	98.0% min	99.92%
3	<b>Alcohol-Insoluble matter</b>	passes test	passes test
4	<b>Water-insoluble matter</b>	0.003% max	0.001%
5	<b>Acidity (HCl)</b>	0.001 % max	<0.001 %
6	<b>Alkalinity (MgO)</b>	0.0005% max	<0.0005%
7	<b>Nitrogen compounds (N)</b>	0.002% max	<0.002%
8	<b>Phosphate (PO<sub>4</sub>)</b>	0.0002% max	<0.0002%
9	<b>Sulphate (SO<sub>4</sub>)</b>	0.002% max	<0.002%
10	<b>Arsenic (As)</b>	0.0001% max	<0.0001%
11	<b>Barium (Ba)</b>	0.005% max	<0.005%
12	<b>Calcium (Ca)</b>	0.002% max	<0.002%
13	<b>Copper (Cu)</b>	0.0002% max	<0.0002%
14	<b>Iron (Fe)</b>	0.0002% max	<0.0002%
15	<b>Lead (Pb)</b>	0.0002% max	<0.0002%
16	<b>Manganese (Mn)</b>	0.0005% max	<0.0005%
17	<b>Potassium (K)</b>	0.005% max	<0.005%
18	<b>Sodium (Na)</b>	0.005% max	<0.005%
19	<b>Zinc (Zn)</b>	0.001% max	<0.001%

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

**[Tested By]**

**[QC Incharge]**



**CHEMIST  
(Deepa)**



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

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