

CERTIFICATE OF ANALYSIS

PRODUCT NAME : MAGNESIUM CHLORIDE (HEXAHYDRATE) AR

CAS No : 7791-18-6
Mol. Formula : MgCl₂.6H₂O
Mol. WT : 203.30
Date of analysis : 15/10/24

Product code : 23880
Batch No. : MCAR-00721
Mfd. : Oct. 2024
Exp. : Sept. 2029

| S.R | Test | Specification | Observation |
|-----|-----------------------------------|--|----------------------------|
| 1 | Description | Colourless deliquescent crystals or white crystalline powder | White crystalline powder . |
| 2 | Assay (ex Cl) | 98.0% min | 99.84% |
| 3 | Alcohol-Insoluble matter | passes test | passes test |
| 4 | Water-insoluble matter | 0.003% max | 0.002% |
| 5 | Acidity (HCl) | 0.001 % max | <0.001 % |
| 6 | Alkalinity (MgO) | 0.0005% max | <0.0005% |
| 7 | Nitrogen compounds (N) | 0.002% max | <0.002% |
| 8 | Phosphate (PO₄) | 0.0002% max | <0.0002% |
| 9 | Sulphate (SO₄) | 0.002% max | <0.002% |
| 10 | Arsenic (As) | 0.0001% max | <0.0001% |
| 11 | Barium (Ba) | 0.005% max | <0.005% |
| 12 | Calcium (Ca) | 0.002% max | <0.002% |
| 13 | Copper (Cu) | 0.0002% max | <0.0002% |
| 14 | Iron (Fe) | 0.0002% max | <0.0002% |
| 15 | Lead (Pb) | 0.0002% max | <0.0002% |
| 16 | Manganese (Mn) | 0.0005% max | <0.0005% |
| 17 | Potassium (K) | 0.005% max | <0.005% |
| 18 | Sodium (Na) | 0.005% max | <0.005% |
| 19 | Zinc (Zn) | 0.001% max | <0.001% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]



**CHEMIST
(Shruti)**



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

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