

## Certificate of Analysis

Date of Testing: 2023-07-14 09:43:44  
Date of Next Testing: 2027-07-13 09:43:44  
Product Name: **Magnesium chloride hexahydrate**  
CAS Number: 7791-18-6  
Specifications & Purity: Analytical Reagent  
Lot #: G2306299  
SKU #: **M116331**  
**Analysis:** **218291**  
Storage Temperature: Desiccated

| Parameter                          | Limit Values          | Result                |
|------------------------------------|-----------------------|-----------------------|
| Heavy metal (as Pb)                | 0-0.0005 (%)          | 0.00 %                |
| Barium and strontium(as Ba)        | 0-0.005 (%)           | 0.00 %                |
| Phosphate(PO4)                     | 0-0.001 (%)           | 0.00 %                |
| Insoluble matter in H2O            | 0-0.005 (%)           | 0.00 %                |
| Sulfate(SO42-)                     | 0-0.005 (%)           | 0.00 %                |
| Iron(Fe)                           | 0-0.0005 (%)          | 0.00 %                |
| Total Nitrogen                     | 0-0.005 (%)           | 0.00 %                |
| Calcium(Ca)                        | 0-0.05 (%)            | 0.02 %                |
| Assay(Complexometric EDTA)         | 98-102.5 (%)          | 102.49 %              |
| Solubility in EtOH , clear,50mg/ml | pass                  | Pass                  |
| X-Ray Diffraction                  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager