

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-05-12 18:14:35  
Date of Next Testing: 2027-05-11 18:14:35  
Product Name: **Magnesium chloride hexahydrate**  
CAS Number: 7791-18-6  
Specifications & Purity: Analytical Reagent  
Lot #: E2311234  
SKU #: **M116331**  
**Analysis:** **218291**  
Storage Temperature: Desiccated

| Parameter                               | Limit Values          | Result                |
|-----------------------------------------|-----------------------|-----------------------|
| Heavy metal (as Pb)                     | 0-0.0005 (%)          | 0.00030 %             |
| Barium and strontium(as Ba)             | 0-0.005 (%)           | 0.00100 %             |
| Phosphate(PO <sub>4</sub> )             | 0-0.001 (%)           | 0.00100 %             |
| Insoluble matter in H <sub>2</sub> O    | 0-0.005 (%)           | 0.00200 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.005 (%)           | 0.00060 %             |
| Iron(Fe)                                | 0-0.0005 (%)          | 0.00000 %             |
| Total Nitrogen                          | 0-0.005 (%)           | 0.00300 %             |
| Calcium(Ca)                             | 0-0.05 (%)            | 0.02000 %             |
| Assay(Complexometric EDTA)              | 98-102.5 (%)          | 102.49000 %           |
| Solubility in EtOH , clear,50mg/ml      | pass                  | Pass                  |
| X-Ray Diffraction                       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager