

## Certificate of Analysis

Date of Testing: 2022-10-15 16:16:24  
Date of Next Testing: 2026-10-14 16:16:24  
Product Name: **Magnesium chloride**  
CAS Number: 7786-30-3  
Specifications & Purity: anhydrous,powder, ≥99%  
Lot #: I2224486  
SKU #: **M113687**  
Analysis: **141578**

| Parameter                                 | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Calcium(Ca)                               | 0-0.001 (%)           | 0.00 %                |
| Water by Karl Fischer                     | 0-2 (%)               | 1.99 %                |
| Purity(Complexiometric EDTA)(Dried Basis) | 99-100 (%)            | 99.99 %               |
| Silicon(Si)                               | 0-0.001 (%)           | 0.00 %                |
| Potassium(K)                              | 0-0.003 (%)           | 0.00 %                |
| Iron(Fe)                                  | 0-0.03 (ppm)          | 0.01 ppm              |
| Sodium(Na)                                | 0-0.0019 (%)          | 0.00 %                |
| Insoluble matter in H2O                   | 0-0.5 (%)             | 0.45 %                |
| Appearance (M113687)                      | White powder          | White powder          |
| ICP: Confirms Magnesium Component         | Confirmed             | Confirmed             |
| X-Ray Diffraction                         | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager