

Certificate of Analysis

Date of Testing: 2022-01-25 16:19:37
Date of Next Testing: 2026-01-24 16:19:37
Product Name: **Magnesium chloride hexahydrate**
CAS Number: 7791-18-6
Specifications & Purity: ACS,99.0-102.0%
Lot #: A2220058
SKU #: **M116333**
Analysis: **070559**
Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|-----------------------------------------|-----------------------|-----------------------|
| Calcium(Ca) | 0-0.01 (%) | 0.01 % |
| Water by Karl Fischer | 51.5-53.5 (%) | 51.53 % |
| Strontium(Sr) | 0-0.005 (%) | 0.00 % |
| Assay | 99-102 (%) | 99.95 % |
| Manganese(Mn) | 0-5 (ppm) | 3.42 ppm |
| Potassium(K) | 0-0.005 (%) | 0.00 % |
| Sodium(Na) | 0-0.005 (%) | 0.00 % |
| Heavy metal (as Pb) | 0-5 (ppm) | 3.12 ppm |
| (NO ₃)Nitrate | 0-0.001 (%) | 0.00 % |
| Ammonia (NH ₄) | 0-0.002 (%) | 0.00 % |
| Iron(Fe) | 0-5 (ppm) | 3.74 ppm |
| Phosphate(PO ₄) | 0-5 (ppm) | 4.26 ppm |
| Insoluble matter in H ₂ O | 0-0.005 (%) | 0.00 % |
| Sulfate(SO ₄ ²⁻) | 0-0.002 (%) | 0.00 % |
| Barium(Ba) | 0-0.005 (%) | 0.00 % |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager