

Certificate of Analysis

Date of Testing: 2023-06-29 14:26:34
Date of Next Testing: 2025-06-18 14:26:34
Product Name: **Magnesium acetate tetrahydrate**
CAS Number: 16674-78-5
Specifications & Purity: 99% , for molecular biology
Lot #: J2114377
SKU #: **M108884**
Analysis: **245860**

| Parameter | Limit Values | Result |
|--|-----------------------------|-----------------------------|
| Potassium(K) | 0-0.005 (%) | 0.00 % |
| Sodium(Na) | 0-0.005 (%) | 0.00 % |
| Sulfate(SO4 ²⁻) | 0-50 (ppm) | 21.10 ppm |
| Melting point | 72-75 (°C) | 74.70000 °C |
| Iron(Fe) | 0-5 (ppm) | 2.01 ppm |
| Barium(Ba) | 0-0.001 (%) | 0.00 % |
| Heavy metal (as Pb) | 0-5 (ppm) | 0.00 ppm |
| Chloride (Cl ⁻) | 0-0.001 (%) | 0.00 % |
| Purity Titration by EDTA | 99-100 (%) | 99.84 % |
| Appearance (M108884) | White powder | White powder |
| DNase, RNase and Protease | None Detected | none detected |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in AcOH/H ₂ O (1/99) | Colorless, Clear, 100 mg/ml | Colorless, Clear, 100 mg/ml |



John Su
QA & QC Manager