

Certificate of Analysis

Date of Testing: 2023-11-24 16:26:24
Date of Next Testing: 2025-11-13 16:26:24
Product Name: **Magnesium acetate tetrahydrate**
CAS Number: 16674-78-5
Specifications & Purity: 99% , for molecular biology
Lot #: K2321498
SKU #: **M108884**
Analysis: 292825

Parameter	Limit Values	Result
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Sulfate(SO4 ²⁻)	0-50 (ppm)	12.06 ppm
Melting point	72-75 (°C)	73.45000 °C
Iron(Fe)	0-5 (ppm)	0.00 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 (%)	99.95 %
Appearance (M108884)	White powder	White powder
DNase, RNase and Protease	None Detected	none detected
Solubility in AcOH/H ₂ O (1/99)	Colorless, Clear, 100 mg/ml	Colorless, Clear, 100 mg/ml
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager