

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

Certificate of Analysis

Date of Testing: 2025-08-21 10:18:29
Date of Next Testing: 2027-08-11 10:18:29
Product Name: **Magnesium acetate tetrahydrate**
CAS Number: 16674-78-5
Specifications & Purity: for molecular biology, ≥99%
Lot #: K2321490
SKU #: **M108884**
Version: **2**
Analysis #: **557420**

Parameter	Limit Values	Result
Potassium(K)	0-0.005 (%)	0.00178 %
Sodium(Na)	0-0.005 (%)	0.00228 %
Sulfate(SO42-)	0-50 (ppm)	12.05700 ppm
Melting point	72-75 (°C)	73.44800 °C
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-0.001 (%)	0.00000 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Chloride (Cl-)	0-0.001 (%)	0.00100 %
Purity Titration by EDTA	99-100 (%)	99.94500 %
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/H2O (1/99)	Colorless, Clear, 100 mg/ml	Colorless, Clear, 100 mg/ml



John Su
QA & QC Manager