



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-252982
Lot Number: SAMPLE
Product Name: Magnesium formate
CAS Number: 557-39-1
Molecular Formula: $C_2H_2MgO_4 \cdot 2H_2O$
Molecular Weight: 150.37

Test	Specification	Result
Appearance	Colorless or white powder or crystals	White powder
Identification (ICP)	Consistent with structure	Complies
Purity (Titration)	98.0 - 102.0% (EDTA 0.1 M)	99.4%
Trace metal analysis	Consistent with requirements	Complies
Cadmium	≤ 50 mg/kg (ICP)	< 50 mg/kg
Calcium (ICP)	≤ 5000 mg/kg	< 5000 mg/kg
Chloride	≤ 1000 mg/kg (CL)	< 1000 mg/kg
Cobalt	≤ 50 mg/kg (ICP)	< 50 mg/kg
Copper	≤ 50 mg/kg (ICP)	< 50 mg/kg
Iron (ICP)	≤ 50 mg/kg	< 50 mg/kg
Lead (ICP)	≤ 50 mg/kg	< 50 mg/kg
Nickel	≤ 50 mg/kg (ICP)	< 50 mg/kg
Potassium (ICP)	≤ 500 mg/kg	< 500 mg/kg
Sodium (ICP)	≤ 5000 mg/kg	< 5000 mg/kg
Sulfur (ICP)	Total sulfur as SO_4 : ≤ 1000 mg/kg	< 1000 mg/kg
Zinc	≤ 50 mg/kg (ICP)	< 50 mg/kg

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.