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Certificate of Analysis

Catalogue Number	23172
Lot Number	000331-33571
Product	Magnesium nitrate hexahydrate

CAS Number	13446-18-9
Molecular Formula	Mg(NO ₃) ₂ ·6H ₂ O
Molecular Weight	256.41

Appearance	White crystals
Solubility	125 g in 100 mL water at 25 °C
Melting Point	89 °C (Approx.)
Heavy Metals	< 5 ppm (as Pb)

Anion	Chloride (Cl ⁻): < 0.001% Phosphate (PO ₄ ³⁻): < 5 ppm Sulfate (SO ₄ ²⁻): < 0.005%
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Cation	Ammonium (NH ₄ ⁺): < 0.003% Barium (Ba): < 0.0005% Calcium (Ca): 0.0006% Manganese (Mn): 0.7 ppm Potassium (K): 0.0003% Sodium (Na): 0.0003% Strontium (Sr): 0.0008% Iron (Fe): < 5 ppm
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pH	5.70 (5% solution at 25 °C)
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Insoluble material	< 0.002%
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Assay by titration	99.8%
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Grade	ACS reagent
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Application	Preparation of standards.
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Storage	Store at 0-8 °C
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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager