

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01238
Lot Number	001920-01613
Product	Magnesium sulfate heptahydrate

Epsom salts

CAS Number	10034-99-8
Molecular Formula	MgSO ₄ •7H ₂ O

Molecular Weight	246.5
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Appearance	White crystals
Solubility	72 g in 100 mL water at 20 °C
Heavy Metals	< 5 ppm (as Pb)

Anion	Chloride (Cl ⁻): < 5 ppm Nitrate (NO ₃ ⁻): < 0.002%
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Cation	Ammonium (NH ₄): < 0.002% Calcium (Ca): 0.0176% Manganese (Mn): 1.6 ppm Potassium (K): 0.00086% Sodium (Na): 0.0011% Strontium (Sr): 0.001% Iron (Fe): < 5 ppm
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pH	5.76 (5% solution at 25 °C)
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Insoluble material	0.0025%
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Assay by titration	98.64%
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Grade	ACS reagent
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Application	Used in preparation of magnesium standard solutions.
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Storage	Store at RT
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Additional Information	Identification: Passes test
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Certificate of Analysis

Catalog Number: 01238

Lot Number: 001920-01613

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager