

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	30240
Lot Number	002154-2017-115
Product	Magnesium chloride hexahydrate
CAS Number	7791-18-6
Molecular Formula	MgCl ₂ •6H ₂ O
Molecular Weight	203.3

Appearance	White deliquescent crystalline powder
Solubility	Clear and colorless (10% in Water)
Melting Point	~ 117 °C
Density	1.57 g/mL at 25 °C
Anion	Phosphate (PO ₄ ³⁻): < 0.0002% Nitrogen (N): < 0.002% Sulfate (SO ₄ ²⁻): < 0.002%
Cation	Arsenic (As): Not detected Barium (Ba): 0.00002% Calcium (Ca): Not detected Copper (Cu): Not detected Iron (Fe): Not detected Lead (Pb): Not detected Manganese (Mn): 0.00005% Potassium (K): 0.00025% Sodium (Na): 0.00043% Strontium (Sr): Not detected
pH	6.19 (5% solution)
Insoluble material	0.0014% (in Water) Passes test for Alcohol insoluble
Assay	99.31%
Grade	Analytical Reagent Grade
Application	Used in adjustment of ion strength
Storage	Store at RT

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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

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

Bala Kumar
Quality Control Manager