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Certificate of Analysis

Catalogue Number	29852
Product	Magnesium sulfate heptahydrate
Lot Number	002126-92-030523
	Epsom salts
CAS Number	10034-99-8
Molecular Formula	MgSO ₄ •7H ₂ O
Molecular Weight	246.5

Appearance	White crystals
Clarity & Color	10% of aqua solution is clear and colorless
Solubility	72 g in 100 mL of water at 20 °C
Odor	Odorless, efflorescent, bitter coling test
Heavy Metals	0.0005% (as Pb)
Anion	Chloride (Cl ⁻) : 0.0005% Nitrate (NO ₃) : 0.002%
Cation	Calcium (Ca) : 0.002% Ammonia (NH ₄) : 0.0020% Potassium (K) : 0.0050% Sodium (Na) : 0.0047% Strontium (Sr) : 0.005% Selenium (Se) : 0.003% Manganese (Mn) : 0.0005% Iron (Fe) : 0.0005%
pH	6.5
Loss on Drying	45%
Insoluble material	0.0049%
Assay by titration	99.6%
Grade	Meets USP specification
Storage	Store at RT
Additional Information	Identification : Test for Magnesium and Sulfate : Passes test

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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