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Certificate of Analysis

Product	77697 - Magnesium Nitrate Hexahydrate ACS, 98% - [13446-18-9]
Batch No	7224371
Analysis Date	27-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	Mg(NO ₃) ₂ ·6H ₂ O
Molecular Weight	256.41

Test Parameters	Standards	Actual Results
Appearance (Colour)	Colourless or white	White
Appearance (Form)	Solid	Solid
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (EDTA Titration)	min. 98%	99.3%
pH (5% aq. solution)	5.0 - 8.2	5.08
Insoluble matter	max. 0.005%	0.002%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Phosphate (PO ₄)	max. 0.0005%	Passes
Ammonium (NH ₄)	max. 0.003%	Passes
Barium (Ba)	max. 0.005%	Passes
Sodium (Na)	max. 0.005%	Passes
Calcium (Ca)	max. 0.01%	Passes
Manganese (Mn)	max. 0.0005%	Passes
Potassium (K)	max. 0.005%	Passes
Strontium (Sr)	max. 0.005%	Passes

FRM/82/11/4/77697 Rev No. 3 Date 05/10/2023

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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