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Certificate of Analysis

Product	53888 - Magnesium Acetate Tetrahydrate extrapure AR, 99% - [16674-78-5]
Batch No	7039034
Analysis Date	28-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C ₄ H ₆ MgO ₄ ·4H ₂ O
Molecular Weight	214.40

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (EDTA Titration)	min. 99%	99.7%
pH (5% aq. solution)	7.0 - 9.0	7.4
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.01%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Potassium (K)	max. 0.001%	Passes
Sodium (Na)	max. 0.001%	Passes

FRM/82/11/4/53888 Rev No. 2 Date 03/07/2022

Prepared by Amruta

In compliance with the standard specifications of SRL

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

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