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Certificate of Analysis

Product	50488 - Magnesium Acetate Tetrahydrate for molecular biology, 99% - [16674-78-5]
Batch No	8810358
Analysis Date	21-Aug-2023
Date of Manufacture	August 2023
Expiry Date/Re-Test Date	August 2028
Molecular Formula	C ₄ H ₆ MgO ₄ .4H ₂ O
Molecular Weight	214.45

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%	99.6%
pH (5% aq. solution)	7.0 - 9.0	7.8
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
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.05	0.046
@280nm	max. 0.05	0.041
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/50488 Rev No. 2 Date 06/08/2023

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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