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Certificate of Analysis

Product

**74440 - Magnesium Sulphate Heptahydrate for
molecular biology, 99.5% - [10034-99-8]**

Batch No

1256513

Analysis Date

25-Jan-2023

Date of Manufacture

January 2023

Expiry Date/Re-Test Date

January 2028

Molecular Formula

MgSO₄.7H₂O

Molecular Weight

246.5

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. 99.5%	99.7%
pH (5% aq. solution)	5.0 - 8.0	5.8
Water Insoluble matter	max. 0.003%	0.002%
Chloride (Cl)	max. 0.0002%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Copper (Cu)	max. 0.0001%	Passes
Sodium (Na)	max. 0.001%	Passes
Potassium (K)	max. 0.001%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.1	0.021
@280nm	max. 0.1	0.018
DNase, RNase, Protease	not detected	Not detected

FRM/82/11/4/74440 Rev No. 2 Date 27/09/2022

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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