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Certificate of Analysis

Product	97080 - Calcium Chloride Dihydrate for molecular biology, 99.5% - [10035-04-8]
Batch No	5321864
Analysis Date	20-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	CaCl ₂ ·2H ₂ O
Molecular Weight	147.01

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
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)	4.5 - 8.5	5.3
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Sodium (Na)	max. 0.01%	Passes
Potassium (K)	max. 0.005%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.04	0.005
@280nm	max. 0.02	0.004
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/97080 Rev No. 6 Date 20/06/2024

Prepared by Prasad

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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