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Certificate of Analysis

Product	43272 - EDTA Disodium Salt Dihydrate for molecular biology, 99.5% - [6381-92-6]
Batch No	6825318
Analysis Date	20-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	C ₁₀ H ₁₄ N ₂ O ₈ Na ₂ ·2H ₂ O
Molecular Weight	372.24

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 5% aq. solution	Clear	Clear
Solubility (Colour) 5% aq. solution	Colourless	Colourless
Assay (Complexometric)	min. 99.5%	99.5%
pH (5% aq. solution)	4.3 - 4.7	4.52
Loss on drying	8.7 - 11.4%	9.5%
Chloride (Cl)	max. 0.004%	Passes
Sulphate (SO ₄)	max. 0.02%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Nitilotriacetic acid (C ₆ H ₆ O ₆ N)	max. 0.025%	0.005%
Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.145	0.143
@280nm	max. 0.025	0.014
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/43272 Rev No. 3 Date 17/11/2023

Prepared by Priti

In compliance with the standard specifications of SRL

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

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