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Certificate of Analysis

Product	27580 - Sucrose for molecular biology - [57-50-1]
Batch No	5535738
Analysis Date	23-Jan-2024
Date of Manufacture	January 2024
Expiry Date/Re-Test Date	January 2029
Molecular Formula	C ₁₂ H ₂₂ O ₁₁
Molecular Weight	342.30

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 2M aq. solution	Clear	Clear
Solubility (Colour) 2M aq. solution	Colourless	Colourless
Specific rotation [α]	+66.4° to +66.6° (C=10, water)	+66.497°
Loss on drying	max. 0.05%	0.008%
Sulphated Ash	max. 0.005%	0.003%
Chloride (Cl)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.002%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Copper (Cu)	max. 0.0001%	Passes
Reducing sugars (C ₆ H ₁₂ O ₆)	max. 0.01%	Passes
Nitrogen Compounds (N)	max. 0.002%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260-280nm	max. 0.07	0.049
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/27580 Rev No. 1 Date 01/11/2015

Prepared by Prasad

In compliance with the standard specifications of SRL

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

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