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Certificate of Analysis

Product	15886 - D-Trehalose Dihydrate for tissue culture - [6138-23-4]
Batch No	5417223
Analysis Date	25-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	C ₁₂ H ₂₂ O ₁₁ .2H ₂ O
Molecular Weight	378.33

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off - white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colorless	Colorless
Specific rotation [α]	+176° to +186° (C=5, H ₂ O)	+ 177.381°
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO ₄)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Reducing sugars	max. 0.1%	Passes
Water (KF)	max. 10%	9.6%
Homogeneity by TLC	Passes test	Passes
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/15886 Rev No. 2 Date 16/08/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

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