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## Certificate of Analysis

<b>Product</b>	<b>15886 - D-Trehalose Dihydrate for tissue culture - [6138-23-4]</b>
<b>Batch No</b>	<b>4071360</b>
<b>Analysis Date</b>	14-Sep-2024
<b>Date of Manufacture</b>	September 2024
<b>Expiry Date/Re-Test Date</b>	September 2029
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> .2H <sub>2</sub> O
<b>Molecular Weight</b>	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 <sub>2</sub> O)	+178.774°
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO <sub>4</sub> )	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 Dnyaneshwar

In compliance with the standard specifications of SRL

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

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