



**SISCO
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Certificate of Analysis

Product	42844 - D-Maltose Monohydrate for tissue culture - [6363-53-7]
Batch No	7661709
Analysis Date	06-Jan-2024
Date of Manufacture	January 2024
Expiry Date/Re-Test Date	January 2029
Molecular Formula	C ₁₂ H ₂₂ O ₁₁ .H ₂ O
Molecular Weight	360.31

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
Specific rotation [α]	+130° to +132° (C=4)	+131.90°
Sulphated Ash	max. 0.05%	0.02%
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO ₄)	max. 0.01%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Dextrin	max. 0.5%	Passes
Water (KF)	4.5 - 5.5%	5.1%
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/42844 Rev No. 1 Date 06/03/2018

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 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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