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Certificate of Analysis

Product	59338 - D-Maltose Monohydrate for bacteriology and biochemistry - [6363-53-7]
Batch No	3668158
Analysis Date	22-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 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
pH (10% aq. solution)	4.0 - 5.5	4.78
Assay (HPLC) (on dried basis)	min. 92.0%	95.2%
Specific rotation [α]	+128° to +132° (C= 10 ,Ammoniacal water)	+128.9°
Sulphated Ash	max. 0.05%	0.01%
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 - 6.5%	4.6%

FRM/82/11/4/59338 Rev No. 2 Date 21/02/2024

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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