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Certificate of Analysis

Product **91094 - D-Trehalose Dihydrate extrapure CHR - [6138-23-4]**
Batch No **5809969**
Analysis Date 25-Feb-2024
Date of Manufacture February 2024
Expiry Date/Re-Test Date February 2029
Molecular Formula C₁₂H₂₂O₁₁.2H₂O
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
Specific rotation [α]	+176° to +186° (C=5, Water)	+177.381°
Sulphated Ash	max 0.1%	0.09%
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

FRM/82/11/4/91094 Rev No. 3 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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