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# Certificate of Analysis

<b>Product</b>	<b>24248 - D-Mannitol extrapure, 98.5% - [69-65-8]</b>
<b>Batch No</b>	<b>8932561</b>
<b>Analysis Date</b>	06-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2029
<b>Molecular Formula</b>	C6H14O6
<b>Molecular Weight</b>	182.17

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
Assay (HPLC)	min.98.5%	100.5%
Melting Point	167 - 170°C	167.8°C
Loss on drying	max. 0.5%	0.01%
Specific rotation $[\alpha]$	+23° to +24° (C=10, in sodium borate )	+23.415°
Sulphated Ash	max. 0.1%	0.03%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Acidity (CH3COOH)	max. 0.005%	0.002%
Reducing sugars (C6H12O6)	max. 0.1%	Passes

FRM/82/11/4/24248 Rev No. 3 Date 06/10/2016

Prepared by Priti

In compliance with the standard specifications of SRL

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

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