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## Certificate of Analysis

<b>Product</b>	<b>13735 - D-Mannose extrapure AR, 99% - [3458-28-4]</b>
<b>Batch No</b>	<b>1451614</b>
<b>Analysis Date</b>	18-Nov-2023
<b>Date of Manufacture</b>	November 2023
<b>Expiry Date/Re-Test Date</b>	November 2028
<b>Molecular Formula</b>	C6H12O6
<b>Molecular Weight</b>	180.16

Test Parameters	Standards	Actual Results
Appearance (Colour)	White crystalline	White crystalline
Appearance (Form)	Hygroscopic powder	Hygroscopic powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (HPLC)	min. 99%	99.6%
Specific rotation $[\alpha]$ @25°C (C=4 aq. for 24 hr)	+13.5° to +14.9°	+14.460°
Sulphated Ash	max. 0.1%	0.01%
Chloride (Cl)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Sulphate (SO4)	max. 0.005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Water (KF)	max. 0.5%	0.3%
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/13735 Rev No. 3 Date 18/11/2023

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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