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Certificate of Analysis

Product	87875 - D-Mannose extrapure AR, ExiPlus, Multi-Compendial, 99% - [3458-28-4]
Batch No	1665157
Analysis Date	27-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C6H12O6
Molecular Weight	180.16

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur	Passes
Appearance (Colour)	White	White
Appearance (Form)	Hygroscopic crystalline powder	Hygroscopic crystalline 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
Sulphate (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Water (KF)	max. 0.5%	0.3%
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/87875 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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