

CERTIFICATE OF ANALYSIS

PRODUCT NAME : D(-)MANNITOL (FOR BACTERIOLOGY) AR

CAS No : 69-65-8
Mol. Formula : C₆H₁₄O₆
Mol. WT : 182.17
Date of analysis : 05/03/25

Product code : 23980
Batch No. : MCAR-01317
Mfd. : March 2025
Exp. : Feb. 2030

S.R	Test	Specification	Observation
1	Description	White powder or crystalline powder.	White powder.
2	Assay	99.5% min.	99.90%
3	Melting point	166 – 169 ⁰ C	167.8 ⁰ C
4	Specific rotation $[\alpha]^{20}_D$ (C=8, In Aqueous Solution 10.4% Disodium Tetra borate)	+23° to +25°	+23.75°
5	Insoluble matter	0.01% max	0.005%
6	Acidity (CH ₃ COOH)	0.005% max	<0.005%
7	Sulphated ash	0.02% max	0.01%
8	Chloride (Cl)	0.001% max	<0.001%
9	Sulphate (SO ₄)	0.005% max	<0.005%
10	Arsenic (As)	0.0001% max	<0.0001%
11	Calcium (Ca)	0.001% max	<0.001%
12	Copper (Cu)	0.0005% max	<0.0005%
13	Iron (Fe)	0.0005% max	<0.0005%
14	Lead (Pb)	0.0005% max	<0.0005%
15	Reducing sugars (C ₆ H ₁₂ O ₆)	0.05% max	<0.05%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Shruti)**



[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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