

## CERTIFICATE OF ANALYSIS

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

**CAS No : 69-65-8**  
**Mol. Formula : C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>**  
**Mol. WT : 182.17**  
**Date of analysis : 21/05/25**

**Product code : 23980**  
**Batch No. : MCAR-01629**  
**Mfd. : May 2025**  
**Exp. : April 2030**

S.R	Test	Specification	Observation
1	<b>Description</b>	White powder or crystalline powder.	White powder.
2	<b>Assay</b>	99.5% min.	99.90%
3	<b>Melting point</b>	166 – 169 <sup>0</sup> C	167.5 <sup>0</sup> C
4	<b>Specific rotation [α]<sup>20</sup><sub>D</sub> (C=8, In Aqueous Solution 10.4% Disodium Tetra borate)</b>	+23° to +25°	+23.84°
5	<b>Insoluble matter</b>	0.01% max	0.006%
6	<b>Acidity (CH<sub>3</sub>COOH)</b>	0.005% max	<0.005%
7	<b>Sulphated ash</b>	0.02% max	0.01%
8	<b>Chloride (Cl)</b>	0.001% max	<0.001%
9	<b>Sulphate (SO<sub>4</sub>)</b>	0.005% max	<0.005%
10	<b>Arsenic (As)</b>	0.0001% max	<0.0001%
11	<b>Calcium (Ca)</b>	0.001% max	<0.001%
12	<b>Copper (Cu)</b>	0.0005% max	<0.0005%
13	<b>Iron (Fe)</b>	0.0005% max	<0.0005%
14	<b>Lead (Pb)</b>	0.0005% max	<0.0005%
15	<b>Reducing sugars (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>)</b>	0.05% max	<0.05%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

*Jsnogode.*

**CHEMIST  
(Jyoti)**



**[QC Incharge]**

*Salian*

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

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