

CERTIFICATE OF ANALYSIS

PRODUCT NAME : D(-)MANNITOL LR

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

Product code : 15640
Batch No : MCR-33376
Mfd. : March 2025
Exp. : Feb. 2030

S.R	Test	Specification	Observation
1	Description	White powder or crystalline powder.	White powder.
2	Assay	99% min	99.90%
3	Melting point	165-168°C	167.8°C
4	Specific rotation $[\alpha]^{20}_D$ (C=8, In aqueous solution 10.4% Disodium Tetra borate)	+23° to +24°	+23.75°
5	Loss on drying at 110°C	0.1% max	0.09%
6	Sulphated ash	0.05% max	0.01%
7	Reducing sugars (ml)	16 max	<16
8	Pyrogen	Free	Free
9	Alkalinity (ml)	0.3 max	<0.3
10	Acidity (ml)	0.2 max	<0.2
11	Chloride	0.005% max	<0.005%
12	Sulphate	0.01% max	<0.01%
13	Sorbitol	Negative	Negative
14	Nickel(mg/kg)	0.2 max	<0.2

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Shruti)**



[QC Incharge]



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

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