

CERTIFICATE OF ANALYSIS

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

CAS No : 69-65-8
Mol. Formula : C₆ H₁₄ O₆
Mol. WT : 182.17
Date of analysis : 07/05/23

Product code : 23980
Batch No : MCRT-28223
Mfd. : May 2023
Exp. : April 2028

S.R	Test	Specification	Observation
1	Description	White powder or crystalline powder.	White powder.
2	Assay	99.5% min.	99.80%
3	Melting point	166 – 169 ⁰ C	167.3 ⁰ C
4	Specific rotation $[\alpha]^{20}_D$ (C=8, In Aqueous Solution 10.4% Disodium Tetra borate)	+23° to +25°	+24°
5	Insoluble matter	0.01% max	0.007%
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]

[QC Incharge]

CHEMIST
(Ketaki)

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.