

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 : 08/07/24

Product code : 23980
Batch No. : MCAR-00357
Mfd. : July 2024
Exp. : June 2029

S.R	Test	Specification	Observation
1	Description	White powder or crystalline powder.	White powder.
2	Assay	99.5% min.	99.91%
3	Melting point	166 – 169 ⁰ C	166.9 ⁰ C
4	Specific rotation $[\alpha]^{20}_D$ (C=8, In Aqueous Solution 10.4% Disodium Tetra borate)	+23° to +25°	+23.12°
5	Insoluble matter	0.01% max	0.006%
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
(Deepa)**

[QC Incharge]



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

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.