



CERTIFICATE OF ANALYSIS

PRODUCT NAME : D(-)MANNITOL LR

CAS No : 69- 65- 8
Mol. Formula : $C_6H_{14}O_6$
Mol. WT : 182.17
Date of analysis : 24/09/19

Product code : 15640
Batch No : MCR-19674
Mfd. : Sept. 2019
Exp. : Aug. 2024

S. R	Test	Specification	Observation
1	Description	White powder or crystalline powder	White powder
2	Assay	99.5% min	99.56%
3	Melting point	166-169°C	167°C
4	Specific rotation $[\alpha]^{20}_D$ (C=8, In aqueous solution 10.4% Disodium Tetra borate)	+23° to +24°	+22.49°
5	Loss on drying at 110°C	0.1% max	0.06%
6	Sulphated ash	0.05% max	0.032%
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]

[QC Incharge]

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

Note: Computer generated image requires no sign.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . **Fax:** + 91 22 2203 4442. **Email :** info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503