



CERTIFICATE OF ANALYSIS

Date : 23/09/18

PRODUCT NAME : D(-)MANNITOL LR

CAS No : 69- 65- 8
Mol. Formula : $C_6H_{14}O_6$
Mol. WT : 182.17
Exp. : Aug. 2023

Product code : 15640
Batch No : MCR-16953
Mfd. : Sept. 2018

S. R	Test	Specification	Observation
1	Description	White powder or crystalline powder	White powder powder
2	Assay	99.5% min	99.68%
3	Melting point	166-169 ⁰ C	167 ⁰ C
4	Specific rotation $[\alpha]^{20}_D$ (C=8, In aqueous solution 10.4% Disodium Tetra borate)	+23° to +24°	+23.8°
5	Loss on drying at 110 ⁰ C	0.1% max	0.08%
6	Sulphated ash	0.05% max	0.03%
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.

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