



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : D(-)MANNITOL LR**

**CAS No : 69- 65- 8**  
**Mol. Formula : C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>**  
**Mol. WT : 182.17**  
**Date of analysis : 30/12/18**

**Product code : 15640**  
**Batch No : MCR 17632**  
**Mfd. : Dec. 2018**  
**Exp. : Nov. 2023**

S. R	Test	Specification	Observation
1	<b>Description</b>	White powder or crystalline powder	White powder
2	<b>Assay</b>	99.5% min	99.55%
3	<b>Melting point</b>	166-169°C	167.9°C
4	<b>Specific rotation <math>[\alpha]^{20}_D</math> (C=8, In aqueous solution 10.4% Disodium Tetra borate)</b>	+23° to +24°	+23.6°
5	<b>Loss on drying at 110°C</b>	0.1% max	0.08%
6	<b>Sulphated ash</b>	0.05% max	0.03%
7	<b>Reducing sugars (ml)</b>	16 max	<16
8	<b>Pyrogen</b>	Free	Free
9	<b>Alkalinity (ml)</b>	0.3 max	<0.3
10	<b>Acidity (ml)</b>	0.2 max	<0.2
11	<b>Chloride</b>	0.005%max	<0.005%
12	<b>Sulphate</b>	0.01%max	<0.01%
13	<b>Sorbitol</b>	Negative	Negative
14	<b>Nickel(mg/kg)</b>	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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