



CERTIFICATE OF ANALYSIS

Date : 19/12/16

PRODUCT NAME : D(-)MANNITOL EXTRA PURE

CAS No : 69- 65- 8
Mol. Formula : $C_6H_{14}O_6$
Mol. WT : 182.17
Exp. : Nov. 2021

Product code : 15640
Batch No : MCR-12857
Mfd. : Dec. 2016

S. R	Test	Specification	Observation
1	Assay	99.5% min	99.68%
2	Melting point	166-169°C	168.8°C
3	Specific rotation $[\alpha]^{20}_D$ (C=8, In aqueous solution 10.4% Disodium Tetra borate)	+23° to +24°	+23.75°
4	Loss on drying at 110°C	0.1% max	0.09%
5	Sulphated ash	0.05% max	0.03%
6	Reducing sugars (ml)	16 max	<16
7	Pyrogen	Free	Free
8	Alkalinity (ml)	0.3max	<0.3
9	Acidity (ml)	0.2max	<0.2
10	Chloride	0.005%max	<0.005%
11	Sulphate	0.01%max	<0.01%
12	Sorbitol	Negative	Negative
13	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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