



CERTIFICATE OF ANALYSIS

Date: 01/02/12

PRODUCT NAME : D(-) Mannitol extra pure

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

Product code : 15640
Batch No : MCR-5062

S. R	Test	Specification	Observation
1	Assay	99.5 % min	99.6%
2	Melting point	166-169 ⁰ c	166.5 ⁰ c
3	Specific rotation $[\alpha]^{20}_D$ (C=8 in aq. Soln 10.4% disodium tetraborate)	+23 ⁰ to +24 ⁰	+23 ⁰
4	Loss on drying at 110 ⁰ c	0.1% max	0.08%
5	Sulphated ash	0.05 % max	0.041 %
6	Reducing sugars (ml)	16 max	< 16
7	Pyrogen	Free	Free
8	Alkalinity (ml)	0.3 max	< 0.3
9	Acidity (ml)	0.2 max	< 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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