

## Specifications

<b>Product</b>	:	Mannitol
<b>CAS No.</b>	:	69-65-8
<b>Molecular formula</b>	:	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>
<b>Molecular weight</b>	:	182.17
<b>Product Code</b>	:	MC0041

TESTS	SPECIFICATIONS
<b>Color and appearance</b>	White, crystalline powder or free-flowing granules.
<b>Assay</b>	98.0-102.0%
<b>Appearance of solution</b>	The sample solution is clear and colorless; its clarity is same as that of water
<b>Acidity or alkalinity</b>	NMT 0.3ml of 0.01M HCl is required to change the color of the solution.
<b>Specific optical rotation</b>	+23.3°-+24.3°
<b>Arsenic</b>	NMT 2 ppm
<b>Chloride</b>	NMT 50 ppm
<b>Sulphate</b>	NMT 100 ppm
<b>Reducing sugars</b>	NLT 12.8ml of 0.05M sodium thiosulphate is required.
<b>Loss on drying</b>	NMT 0.05%
<b>Sulphated ash</b>	NMT 0.1%
<b>Bacterial endotoxin</b>	NMT 4 IU/g for concentration of 100g/L and NMT 2.5 UI/g for concentration of more than 100g/L
<b>Insoluble matter</b>	NMT 0.01%
<b>Residue after ignition</b>	NMT 0.01%
<b>Titration acid</b>	NMT 0.0008 meq/g
<b>Lead</b>	Absent
<b>Nickel</b>	NMT 1 ppm
<b>Sorbitol</b>	NMT 2.0%
<b>Melting point</b>	165°-170°C
<b>Conductivity</b>	NMT 20µS/cm
<b>Test for specified Microorganisms</b>	Total aerobic microbial count is NMT 10 <sup>3</sup> cfu/g and total yeast and mold count is NMT 10 <sup>2</sup> cfu/g
<b>Cupric-tartaric solution</b>	NMT 0.1% expressed as glucose

(NMT= Not more than, NLT=Not less than)



### Indenta Chemicals (India) Pvt. Ltd.

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Unit 1: Plot No. 1405, GIDC Sarigam, Dist. Valsad, Gujarat – 396155

Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302



INFORMATION	PREPARED BY	APPROVED BY
Name	Mr. Suchit Mukherjee	Mr. Thomas Varghese
Designation	Q.C Executive	Director Technical
Date	Jan 2019	-
Revision	0	-
Review Date	-	-
Signature		

**Disclaimer:** The products sold hereunder and any other products sold by Indenta Chemicals (India) Pvt. Ltd. have been subjected to limited testing and it does not release the user from the responsibility of undertaking their own test.

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