

## Specifications

<b>Product</b>	:	Glucose anhydrous
<b>CAS No.</b>	:	50-99-7
<b>Molecular formula</b>	:	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
<b>Molecular weight</b>	:	180.16
<b>Product Code</b>	:	MC0026

TESTS	SPECIFICATIONS
<b>Color and appearance</b>	A white crystalline powder.
<b>Appearance and odor of solution</b>	The solution is clear and more intensely colored than reference solution BY7 and is odorless.
<b>Acidity or alkalinity</b>	NMT 0.15ml of 0.1M NaOH is required to change the color of the solution to pink.
<b>Specific optical rotation</b>	+52.5° to +53.3°
<b>Arsenic</b>	Absent
<b>Heavy metals</b>	0.0001%
<b>Chlorides</b>	0.0025%
<b>Sulphates</b>	0.0025%
<b>Sulphite</b>	0.0005%
<b>Barium</b>	Any opalescence in the solution is not more intense than that in a mixture of 10ml of solution S and 1ml of water
<b>Foreign sugars, soluble starch and dextrans</b>	The appearance of solution does not change on cooling
<b>Sulphated ash</b>	NMT 0.03%
<b>Water</b>	NMT 1.0%
<b>Bacterial endotoxins</b>	NMT 0.5 endotoxin unit per ml of a 5% w/v solution in water for infections.
<b>Insoluble matter</b>	NMT 0.005%
<b>Loss on drying</b>	NMT 0.20%
<b>Residue after ignition</b>	NMT 0.02%
<b>Titration acid</b>	NMT 0.002 meq/g
<b>Iron</b>	NMT 0.0001%
<b>Calcium</b>	NMT 200 ppm
<b>Lead</b>	Absent
<b>Color</b>	The sample solution has no more color than the control

### 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



	solution
<b>Dextrin</b>	Reflux 1g of sample with 20ml of alcohol, it dissolves completely
<b>pH</b>	NLT 5.8
<b>Water insoluble matter</b>	NMT 0.003%
<b>Colored impurities</b>	To pass test
<b>Alcohol insoluble matter</b>	NMT 0.005%

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

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

**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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