

Specifications

Product	:	Lactose
CAS No.	:	63-42-3
Molecular formula	:	C ₁₂ H ₂₂ O ₁₁
Molecular weight	:	342.3
Product Code	:	MC0034

TESTS	SPECIFICATIONS
Description	A white crystalline powder
Acidity or alkalinity	NMT 0.4ml of 0.1N NaOH is required to change the color of the solution to pink.
Clarity and color of solution	The solution is clear and not more intensely colored than reference solution BYS7
Optical Rotation	54.4° to +55.9°
Lead	NMT 0.5 ppm
Protein and light absorbing impurities	The absorbance is not more than 0.25 in the range 210 to 220 nm and is not more than 0.07 in the range 270 to 300 nm.
Sulphated ash	NMT0.05%
water	NMT 4.5% to 5.5 %
Arsenic	NMT 1 ppm
Insoluble matter	NMT 0.005%
Residue after ignition	NMT0.03%
Dextrose	to pass test
Sucrose	to pass test
Iron	NMT2 ppm
pH	NLT 5.0
Alcohol soluble impurities	NMT 0.1%
Nitrogen compounds	NMT 0.02%
Uncombined water	NMT 0.4%
Infrared absorption	The principle spot from the sample solution corresponds in appearance and Rf value to that from standard solution A.
Loss on drying	NMT0.5%

(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
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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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