

Specifications

Product	:	Urea
CAS No.	:	57-13-6
Molecular formula	:	NH ₂ CONH ₂
Molecular weight	:	60.06
Product Code	:	MC0076

TESTS	SPECIFICATIONS
Color and appearance	A white crystalline powder or transparent crystals.
Assay	NLT 99.5% (Titration with HCl)
Appearance of solution	Solution A is clear and colorless
Alkalinity (5% w/v solution in water)	NMT 0.4ml of 0.01M HCl is required to change the color of The solution from red to orange.
Free acid	NMT 0.05 ml 1N NaOH
Biuret	NMT 0.05%
Ethanol insoluble matter	NMT 0.04%
Heavy metals	NMT 0.0002%
Sulphated ash	NMT 0.1%
Loss on drying	NMT 1.0%
Melting point	132-135°
Insoluble matter	NMT 0.003%
Residue after ignition	NMT 0.01%
Chloride	NMT 5 ppm
Sulphate	NMT 0.001%
Iron	NMT 0.0001%
Ammonium	NMT 500 ppm
Organic impurities	Disregard any impurity peaks less than 0.05%
Alcohol insoluble matter	NMT 0.04%
Sterility test	Where the label states that urea is sterile, it meets the requirements.
Bacterial endotoxins	NMT 0.003 endotoxin units/mg of urea

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

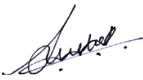

Indenta Chemicals (India) Pvt. Ltd.

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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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