



**SISCO
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PVT. LTD.**

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Certificate of Analysis

Product	44255 - Urea for tissue culture, 99.5% - [57-13-6]
Batch No	5395161
Analysis Date	16-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	CH ₄ N ₂ O
Molecular Weight	60.06

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 8M aq. solution	Clear	Clear
Solubility (Colour) 8M aq. solution	Colourless	Colourless
Assay (ex N)	min. 99.5%	99.8%
Melting Point	132 - 133°C	133°C
Sulphated Ash	max. 0.01%	0.002%
Chloride (Cl)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.001%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Acidity	max. 0.05ml N%	0.02ml N%
Biuret (C ₂ H ₅ N ₃ O ₂)	max. 0.05%	Passes
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/44255 Rev No. 1 Date 12/25/2018

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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