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Certificate of Analysis

Product 69120 - Urea extrapure AR, 99.5% - [57-13-6]
Batch No 4128009
Analysis Date 23-Apr-2024
Date of Manufacture April 2024
Expiry Date/Re-Test Date April 2029
Molecular Formula CH₄N₂O
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
Identification (IR Spectrum)	Passes test	Passes
Assay (ex N)	min. 99.5%	99.8%
Melting Point	132 - 135°C	134.2°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

FRM/82/11/4/69120 Rev No. 4 Date 17/04/2024

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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