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Certificate of Analysis

Product **86854 - Urea extrapure AR, ACS, ExiPlus,
Multi-Compendial, 99.5% - [57-13-6]**

Batch No **1565907**
Analysis Date 25-Dec-2023
Date of Manufacture December 2023
Expiry Date/Re-Test Date December 2028
Molecular Formula CH₄N₂O
Molecular Weight 60.06

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
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%	99.6%
Melting Point	132 - 133°C	132.C°
Sulphated Ash	max. 0.01%	0.008%
Insoluble matter	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%	0.01 ml N%
Biuret (C ₂ H ₅ N ₃ O ₂)	max. 0.05%	Passes

FRM/82/11/4/86854 Rev No. 3 Date 08/02/2023

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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