

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : UREA AR FOR BIOCHEMICAL PURPOSE**

<b>CAS No</b>	: 57-13-6	<b>Product code</b>	: 26780
<b>Mol. Formula</b>	: NH <sub>2</sub> .CONH <sub>2</sub>	<b>Batch No.</b>	: MCRT-30013
<b>Mol. WT</b>	: 60.06	<b>Mfd.</b>	: Dec. 2023
<b>Date of analysis</b>	: 23/12/23	<b>Exp.</b>	: Nov. 2028

S.R	Test	Specification	Observation
1	<b>Description</b>	White crystals or crystalline powder or granular.	White crystalline powder
2	<b>Assay</b>	99.5 % w/w min	99.73% w/w
3	<b>Melting point</b>	132-133 <sup>0</sup> C	131.4 <sup>0</sup> C
4	<b>Insoluble matter</b>	0.003% max	0.002%
5	<b>Acidity</b>	0.05 ml N% max	< 0.05 ml N%
6	<b>Alkalinity</b>	0.05 ml N% max	< 0.05 ml N%
7	<b>Sulphated ash</b>	0.005% max	0.002%
8	<b>Chloride (Cl)</b>	0.0005% max	< 0.0005%
9	<b>Sulphate (SO<sub>4</sub>)</b>	0.001% max	< 0.001%
10	<b>Copper (Cu)</b>	0.0001% max	< 0.0001%
11	<b>Iron (Fe)</b>	0.0001% max	< 0.0001%
12	<b>Lead (Pb)</b>	0.0002% max	< 0.0002%
13	<b>Biuret (C<sub>2</sub>H<sub>5</sub>N<sub>3</sub>O<sub>2</sub>)</b>	0.05% max	< 0.05%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Jyoti)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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