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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Urea AR Grade for Biochemistry  
**Batch No.** : 225224  
**Date of Mfg** : Dec 2021  
**Date of Exp** : Nov 2026  
**Register No.** : 2021-22  
**Qty of Sample** : 500gm  
**Date of Analysis** : Dec 2021

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White fine crystalline powder
2.	Assay (on dry basis)	99.6% NH <sub>2</sub> .CO.NH <sub>2</sub>	Min.99.5%
3.	Melting Point	133°C	131 – 134°C
4.	Water insoluble matter	0.0014%	Max.0.003%
5.	Acidity	Passes	Max.0.05 ml N%
6.	Alkalinity	Passes	Max.0.05 ml N%
7.	Sulphated ash	0.002%	Max.0.005%
8.	Chloride	0.0002%	Max.0.0005%
9.	Sulphate	0.0006%	Max.0.001%
10.	Copper	0.0001%	Max.0.0001%
11.	Iron	0.0001%	Max.0.0001%
12.	Lead	0.0001%	Max.0.0002%
13.	Biuret	0.032%	Max.0.05%

**Chief Chemist**