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CERTIFICATE OF ANALYSIS

Name of the Sample : Urea AR Grade for Biochemistry
Batch No. : 227324
Date of Mfg. : Feb 2024
Date of Exp : Jan 2029
Register No. : 2024-25
Qty of Sample : 500gm
Date of Analysis : Feb 2024

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White fine crystalline powder
2.	Assay (on dry basis)	99.54% NH ₂ .CO.NH ₂	Min.99.5%
3.	Melting Point	131.5 – 132.2°C	131 – 134°C
4.	Water insoluble matter	0.0021%	Max.0.003%
5.	Acidity	Passes	Max.0.05 ml N%
6.	Alkalinity	Passes	Max.0.05 ml N%
7.	Sulphated ash	0.0018%	Max.0.005%
8.	Chloride	0.0001%	Max.0.0005%
9.	Sulphate	0.0006%	Max.0.001%
10.	Copper	0.0001%	Max.0.0001%
11.	Iron	0.00005%	Max.0.0001%
12.	Lead	0.0002%	Max.0.0002%
13.	Biuret	0.019%	Max.0.05%

Chief Chemist