

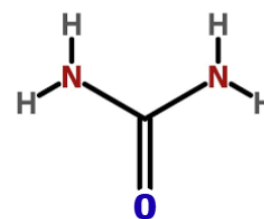


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Product Specification

UREA 99.5% FOR MOLECULAR BIOLOGY

CAT. NO. : MB0311
GRADE : MB
CAS NO. : 57-13-6
FORMULA : $\text{CH}_4\text{N}_2\text{O}$
M.W. : 60.06



Minimum assay (Kjeldahl) 99.5%
Melting point 132-135 °C
pH (8 M in water; 25°C) 7.5 - 10.5
Max. absorbance (6 M solution) at:
260 nm 0.06
280 nm 0.06

Maximum limits of impurities:

Sulphated ash	0.005%
Acidity	0.05 ml N/1%
Chloride (Cl)	0.0005%
Copper (Cu)	0.0001%
Lead (Pb)	0.0002%
Iron (Fe)	0.0001%
Sulphate (SO ₄)	0.001%
Biuret (C ₂ H ₅ N ₃ O ₂)	0.05%
DNase, RNase and Protease	None detected

DATE: 01.07.2025

Remarks: The above-mentioned batch material is compliance with the standard specifications of High Purity Laboratory Chemicals Pvt. Ltd.



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