

## TMB 084 – UREA, (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 084	<b>STANDARD SPECIFICATION FOR UREA, (Molecular Biology Grade)</b>	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 084

### PRODUCT PROPERTIES

C.A.S Number	57-13-6
Chemical Formula	CH <sub>4</sub> N <sub>2</sub> O <sub>2</sub>
Formula weight	60.06
Functional Uses	Urea used for the denaturation of proteins and as a mild solubilization agent for insoluble or denatured proteins.
Standard Packaging	500 gm, 1Kg & 5 Kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Residue on Ignition (as SO <sub>4</sub> )	NMT – 0.01%
Biuret	NMT – 0.05%
Chloride (Cl)	NMT – 0.0005%
Sulphate (SO <sub>4</sub> )	NMT – 0.001%
DNases/ RNases	None detected
Proteases/Phosphatases	None detected
Assay (%)	NLT – 99.5%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.