



# Product Specifications

## UREA

<u>Catalog #</u>	<u>Size</u>
IB72060	500gm
IB72064	2.5Kg

### Physical Specifications

CAS#	57-13-6
Formula Weight	60.06
Empirical Formula	CH <sub>4</sub> N <sub>2</sub> O
Purity	Min. 99.5%
A <sub>280</sub> (8.0 M, water)	Max. 0.05
Conductivity (5.0 M)	Max. 15µmhos
Chloride	Max. 0.0005%
Iron	Max. 0.0001%
Heavy Metals	Max. 0.0005%
Cyanate	Max. 0.002%

### Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected
Protease assay	None Detected
Sequencing Gel Analysis	Pass
Biuret Test	Pass
Solubility (5m, Water)	Pass

### Recommended Use

Urea is used as a nucleic acid and protein denaturant in polyacrylamide gel electrophoresis.

### Storage

Store at room temperature. Protect from moisture.

### Warning

Irritant. Causes irritation to eyes, skin and mucous membranes. Avoid breathing dust. Do not take internally. Wash thoroughly after handling. See Material Safety Data Sheet for additional information.