Email : sales@scilabexport.com
Phone: +91-7082934803

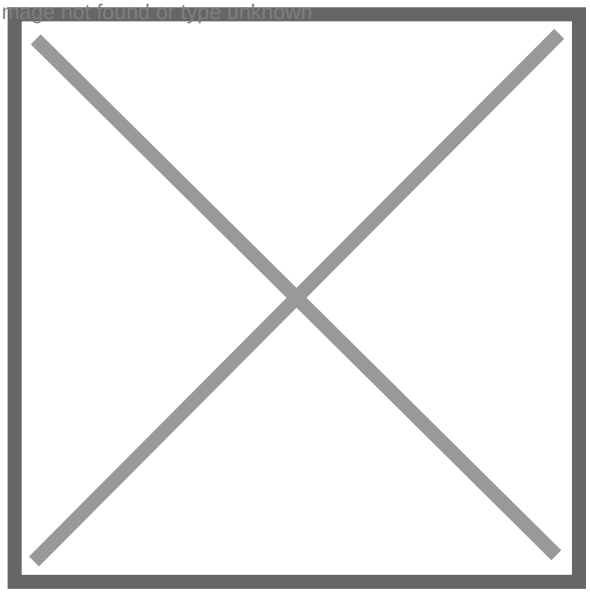
**Product Name :**

Urea (Urea)

**Product Code :**

SCI-551/239

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# Description :

**Urea (Urea)** (Product Code: SCI-551/239) is an analytical reagent grade organic compound, also known as carbamide, used to teach organic nitrogen chemistry, the biuret reaction and enzyme action with urease in school and college laboratories. Both biology and chemistry departmentsuse it, and it is packed as 100 g with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a chemistry consumables supplier in India for institutions and dealers.

## Specifications

| Parameter | Detail |
|---|---|
| Chemical | Urea (carbamide) |
| Grade | Analytical reagent |
| Capacity | 100 g |
| Documentation | Supplied with MSDS |
| Shelf life | Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted. |
| Product code | SCI-551/239 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is Urea Used For?

Urea is the compound with which Friedrich Wöhler showed that an organic substance could be obtained from inorganic starting materials, so it opens many introductory organic chemistry lessons. Gently heating a little dry urea in a test tube melts it and releases ammonia, which turns moist red litmus blue. The residue contains biuret, which gives a violet colour with dilute copper sulphate in alkaline solution, the same colour reaction later used to detect proteins.

In biology practicals, urea solution is mixed with urease enzyme and phenol red indicator: as the enzyme breaks urea down to ammonia, the indicator shifts from yellow-orange to pink, a clear way to study enzyme activity and the effect of temperature. Urea also dissolves in water with a noticeable cooling effect, useful for endothermic-process demonstrations. Keep the pack tightly closed, since urea absorbs moisture and cakes.

## Supplier

ScienceLab is the trading name of **Jain Scientific Equipments Private Limited**, which supplies Urea (Urea) from Ambala, Haryana, to schools, colleges, biology departments and dealers. For import paperwork and vendor registration, buyers can quote the company's Importer-Exporter Code AAECJ8618A (DGFT) and GSTIN 06AAECJ8618A1ZT. More background is on the ScienceLab profile page.

## Related Laboratory Equipment

Biure

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