Email : sales@scilabexport.com
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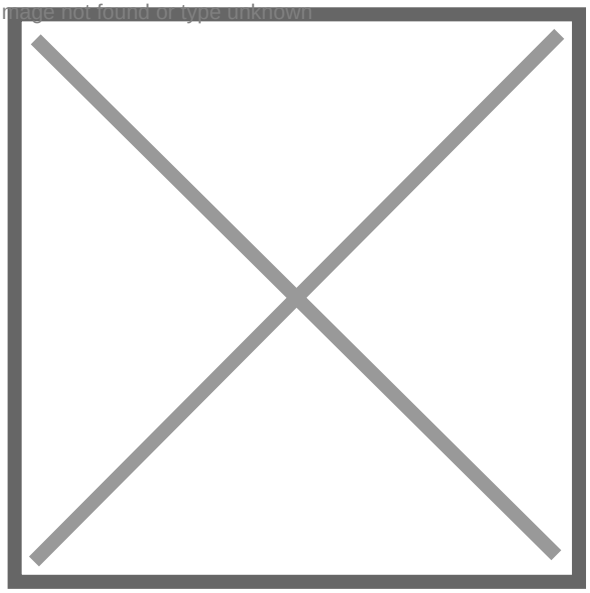
**Product Name :**

Urease Powder (Test Of Urea Urine)

**Product Code :**

SCL447/0132

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## Description :

**Urease Powder (Test Of Urea Urine)** (Product Code: SCL447/0132) is a powdered urease enzyme used to detect urea in urine samples in biology practicals. Students add it with an indicator such as phenol red, because urease breaks urea into ammonia and carbon dioxide and the rising alkalinity shows as a colour change; the pack is listed at 125 ml, analytical reagent grade, with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory chemicals supplier in India, as the core of an enzyme activity kit for biology classes.

### Specifications

| Parameter | Detail |
|---|---|
| Product | Urease powder, for the test of urea in urine |
| Pack capacity | 125 ml (as listed; please confirm the fill quantity when ordering) |
| Grade | Analytical reagent |
| Documentation | Supplied with MSDS |
| Shelf life | Depends on the chemical, its grade and storage conditions; ask usfor the expiry date of the batch you are quoted |
| Product code | SCL447/0132 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is Urease Powder Used For?

A typical school or college set-up uses three tubes: urine with a few drops of phenol red, water with indicator as a blank, and urine with indicator plus urease that has been boiled first. When a pinch of active urease is added to the first tube, the colour moves from yellow-orange towards pink-red as ammonia forms, while the blank and the boiled-enzyme tube stay unchanged. In one short practical, students see a positive test for urea, the specificity of an enzyme for its substrate and the effect of heat denaturation.

Because the test depends on enzyme activity, keep the container tightly closed in a cool, dry place and try the powder on a prepared urea solution before the class, so a weak batch or damp powder is noticed in advance. Warm rather than hot conditions speed the reaction, while boiling destroys it. Combined with phenol red and urea, this powder forms a low-cost enzyme experiment kit for school biology.

### Supplier

ScienceLab is the trade name of Jain Scientific Equipments Private Limited, an Ambala, Haryana company that supplies enzymes, reagents, glassware and apparatus to schools, colleges and research laboratories in India and international markets. For vendor registration, the supplying company's GSTIN is 06AAECJ8618A1ZT and its Legal Entity Identifier (LEI) is 3358

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