Email : sales@scilabexport.com
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Product Name :

Chemistry Demonstration Nylon 6-10 Rope Trick

Product Code :

SLE/CH/105



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Description :

Chemistry Demonstration Nylon 6-10 Rope Trick (Product Code: SLE/CH/105) is a polymer chemistry demonstration kit used to make nylon and draw it out as a continuous rope in school and college chemistry lessons. It contains sufficient reagents for five demonstrations, with instructions, and produces Nylon 6-10, a synthetic polymer of high molecular weight built from up to millions of repeated chemical units. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, alongside the reagents it offers as a lab chemicals supplier in India.

Key Details

Parameter	Detail
Type	Polymer chemistry demonstration kit
Polymer produced	Nylon 6-10
Reagents	Sufficient for five demonstrations
Instructions	Included
Teaching focus	Synthetic polymers of high molecular weight consisting of up to millions of repeated, linked chemical units
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	SLE/CH/105
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Nylon 6-10 Rope Trick Used For?

It is a vivid way to show polymerisation happening in real time. In the classic rope trick, two reagent solutions that do not mix are layered carefully in a beaker, and a film of polymer forms where they meet. Grip the film at the centre with forceps, lift it slowly and wind it onto a glass rod: fresh nylon keeps forming at the boundary, so a long rope can be drawn out while the class watches.

The name itself is a teaching point, because in Nylon 6-10 one monomer contributes six carbon atoms and the other ten to each repeating unit, which links neatly to lessons on condensation polymers. Follow the included instructions for quantities and the order of addition, wear goggles and gloves, work in a well-ventilated room and rinse the rope thoroughly before anyone handles it. Building the repeating unit with an organic molecular model set afterwards helps students connect what they saw to the structure of the chain.

Supplier

The Nylon 6-10 Rope Trick kit is supplied by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** and is based in Ambala, Haryana, India. It is one of the demonstration reagent kits the company sources for schools and colleges, and it can be quoted with the beak

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