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Product Name :

Capillary Tube Set

Product Code :

SLE/CH/77



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Description :

The **Capillary Tube Set** (Product Code: SLE/CH/77) is a ready-mounted demonstration piece in which 4 glass capillary tubes of different inner diameters rise from a common, larger reservoir tube. Pour in a liquid and the class sees at once that it climbs highest in the narrowest bore,giving students the evidence they need to draw their own conclusions about capillary action.Designed for middle-school and secondary science teachers, it is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, and arrives on its own stand with a Teacher'sGuide.

Specifications

Parameter	Detail
Number of capillary tubes	4, each with a different inner diameter
Tube material	Glass
Reservoir	Larger tube from which the capillaries rise
Tube height	Approx. 150 mm (6 in)
Mounting	Mounted on its own stand
Documentation	Teacher's Guide included

Typical Use

Because all four capillaries share one reservoir, the liquid starts at the same level in each, so any height difference can only come from the tube width. That makes the set a clear, fair-test capillary tube experiment: students record the level in each tube, rank them by bore, and relate the result to adhesion between water and glass and to surface tension. The same observation helps explain how water rises through soil, paper towels and the xylem of plants, linking chemistry and physics lessons to biology.

Stand the set on a level bench, fill the reservoir slowly so no air bubbles lodge in the narrow tubes, and add a drop of food colouring so the columns can be seen from the back of the room. Comparing plain water with soapy water is a simple extension that shows how lowering surface tension changes the rise.

Manufacturer

The set is made by **Jain Scientific Equipments Private Limited**, trading as **ScienceLab**, from its base in Ambala, Haryana, India, where it produces glass apparatus and demonstration equipment for science teaching. The company is a registered MSME enterprise (Udyam UDYAM-HR-01-0003714) and holds Importer-Exporter Code AAECJ8618A from the Directorate General of Foreign Trade for export consignments. Visit the company profile to learn more.

Related Laboratory Equipment

Useful additions for capillarity and surface-tension lessons: