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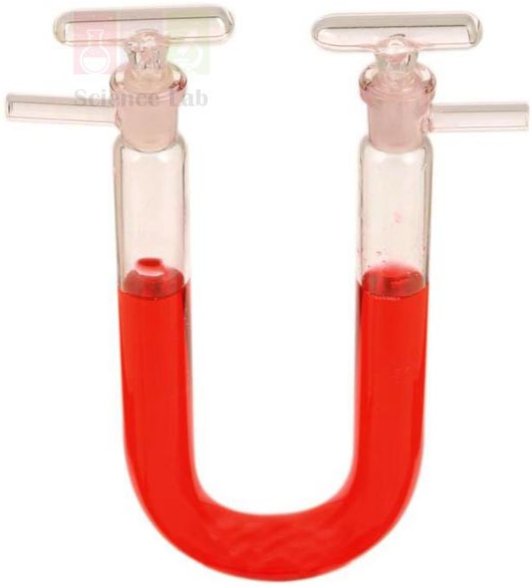
Product Name :

Calcium Chloride Tube, Borosilicate Glass

Product Code :

SLE/CH/29



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Description :

Calcium Chloride Tube, Borosilicate Glass (Product Code: SLE/CH/29) is a U-shaped drying tube with a side tube and stopper, used to strip moisture from a gas stream or to keep damp air away from a reaction. Chemistry teachers, college demonstrators and analysts pack it with a granular drying agent and connect it in line with gas generators and reaction flasks. It belongs to the range of borosilicate laboratory glassware in India made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Type	Calcium chloride (drying) tube
Material	Borosilicate glass
Shape	U-shape with side tube
Closure	Stopper
Sizes available	100 x 12 mm; 125 x 15 mm; 150 x 18 mm
Supplied as	Empty tube; drying agent is a separate item

Typical Use

In a gas-preparation practical the tube sits between the generating flask and the receiver: gas enters one limb, passes through the packed drying agent and leaves through the side tube before it is collected. It is a routine addition to school gas collection apparatus in India whenever students need a dry sample of a gas such as hydrogen, oxygen or carbon dioxide. Fitted to the top of a reflux condenser, the same tube works as a guard tube that stops atmospheric moisture from entering a water-sensitive reaction.

Fill it with small lumps or granules rather than fine powder, which packs tightly and chokes the gas flow, and hold the charge in place with a loose plug of glass wool or cotton at each end. Replace the drying agent as soon as it turns wet or caked, and remember that calcium chloride is not suitable for drying ammonia.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, based in Ambala, Haryana, which makes laboratory glassware, apparatus and teaching equipment for schools, colleges and research labs. The company is a registered MSME (Udyam UDYAM-HR-01-0003714) and ships overseas under Importer-Exporter Code AAECJ8618A issued by the DGFT. Read more on our company profile.

Related Chemistry Lab Equipment

These items are used with a calcium chloride tube in drying and gas-handling set-ups: