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

Product Name :

Chromatography Plates, TLC

Product Code :

SLE/CH/109



Description :

Chromatography Plates, TLC (Product Code: SLE/CH/109) are pre-coated thin-layer chromatography plates from a supplier of chemistry lab equipment in India, cut to 40 x 80 mmand packed 50 to a pack. Because the stationary layer is already applied, teachers and labassistants can move straight to spotting and developing samples without preparing slurry-coatedslides. The plates suit senior-school and college practicals on separating and identifying thecomponents of coloured mixtures, and they are supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a lab consumables supplier to institutions across India.

Specifications

Parameter	Detail
Product type	Pre-coated TLC plates
Plate size	40 x 80 mm
Packquantity	Pack of 50 plates
Technique	Thin-layer chromatography (TLC)

Typical Use

A TLC run starts with a light pencil line drawn across the plate a short distance above its lower edge. Students apply tiny spots of each sample on this line with a fine capillary, allow them to dry, and then stand the plate in a covered jar or beaker containing a shallow pool of solvent that sits below the spots. The solvent rises through the coating by capillary action and carries each component a different distance. Once the front nears the top, the plate is removed, the solvent front is marked, and R_f values are calculated and compared with known references. Coloured substances such as inks and food dyes can be seen directly; colourless compounds may need a visualising method that suits the coating.

Compared with paper chromatography, thin-layer runs are quicker and usually give tighter, rounder spots, which makes them useful when a class has only one period for the whole practical. The compact 40 x 80 mm format fits small developing jars and leaves room for several side-by-side spots. Hold each plate by its edges, press gently with the pencil so the coating is not scraped, and keep solvent jars covered in a ventilated area. Plates like these are a routine reorder item for any chemistry lab equipment India schools maintain for analytical practicals.

Supplier

Jain Scientific Equipments Private Limited trades as **ScienceLab** and operates from Ambala, Haryana. Alongside the laboratory apparatus it manufactures, the company supplies chromatography consumables such as these plates to schools, colleges and distributors. Our company profile gives an overview of the business.

Related Chemistry Lab Equipment

Items

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