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Product Name :

Conductivity of Solutions Apparatus

Product Code :

SLE/EM/04



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Description :

Conductivity of Solutions Apparatus (Product Code: SLE/EM/04) is a lamp-indicator set that shows students, at a glance, which liquids carry an electric current and which do not. A small bulb sits in a miniature lamp receptacle on a PVC base, and the liquid under test goes into a clear glass tumbler: when the circuit is completed through the solution, the bulb glows brightly, faintly or not at all, giving a direct visual comparison of relative conductivity. Made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** in Ambala, it is a straightforward electricity experiment kit for school lessons on electrolytes, acids, bases and salts, and it comes with instructions.

Specifications

Parameter	Detail
Type	Lamp-indicator apparatus for comparing the relativeconductivity of solutions
Lamp assembly	Miniature lamp receptacle mounted on a PVC base, with bulb
Solution container	Clear glass tumbler
Power requirement	3-V DC power source (not included)
Documentation	Instructions supplied

Typical Use

Teachers use this apparatus to sort everyday liquids into good conductors, weak conductors and non-conductors. A typical sequence is distilled water first (the bulb stays dark), then tap water, sugar solution, common-salt solution, dilute acid and dilute alkali, so the class sees that dissolved ions, not water itself, allow current to flow. Because the glass tumbler is clear, students can watch the liquid and the bulb at the same time, which makes the link between solution and brightness easy to discuss.

For fair comparisons, keep the same volume of liquid and the same immersion depth for every sample, and rinse the tumbler with distilled water between tests so one solution does not contaminate the next. Keep the PVC base and the lamp receptacle dry. The set fits naturally with other school chemistry lab equipment in India used for the electrolytes and electrolysis topics in middle and secondary classes.

Manufacturer

This apparatus is produced by Jain Scientific Equipments Private Limited, the Ambala, Haryana company behind the ScienceLab brand. The firm is a registered MSME enterprise (Udyam UDYAM-HR-01-0003714), and its overseas consignments move under Importer-Exporter Code AAECJ8618A issued by the DGFT. You can read more about the company on our company profile page.

Related Electricity Equipment

Items

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