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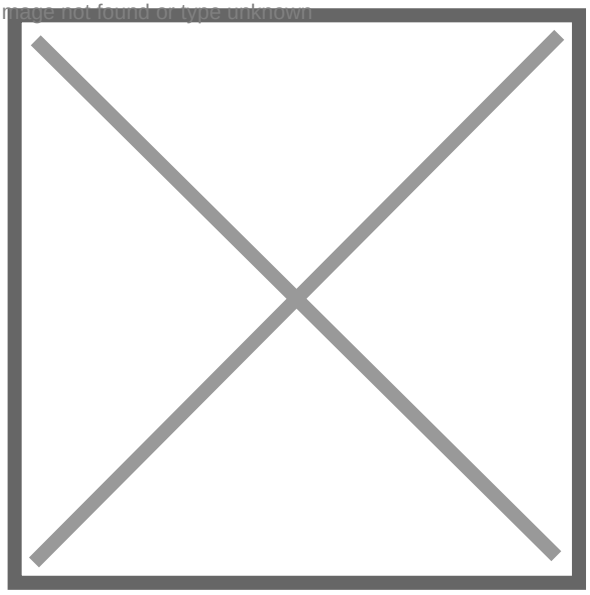
Product Name :

Apparatus for Demonstrating Electrolytic Processes

Product Code :

SCI-073/012

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Science Lab
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Description :

Apparatus for Demonstrating Electrolytic Processes (Product Code: SCI-073/012) is an electrolysis apparatus used to show how an electric current drives chemical change in solutionsin school and college chemistry laboratories. Teachers use it to compare five electrode materials—carbon, copper, zinc, lead and brass — in 10% sulfuric acid or copper sulfate solution, with abulb showing when current flows. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Base	Base with 2 supports for electrodes
Current indicator	1 bulb
Electrodes	Carbon, copper, zinc, lead and brass electrodes
Solutions included	10% sulfuric acid solution; copper sulfate solution
Vessel	1 beaker
Wiring	3 conductor wires
Shelf life (solutions)	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	SCI-073/012
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Electrolytic Processes Apparatus Used For?

In a typical lesson the beaker is filled with one of the two solutions, a pair of electrodes is clamped in the supports and the circuit is completed through the bulb and conductor wires to a low-voltage DC source. The glowing bulb shows that the solution conducts; with carbon electrodes in copper sulfate, a copper layer builds up on the cathode, while the dilute sulfuric acid gives gas bubbles at the electrodes. Swapping in copper, zinc, lead or brass lets students compare inert and reactive electrodes.

This piece of school chemistry lab equipment calls for basic care: the sulfuric acid solution is corrosive, so students should wear eye protection and gloves, and everyone should wash their hands after handling the lead electrodes. Keep the solutions capped and labelled, and rinse the beaker and electrodes after every class.

What to Specify When Ordering

- The number of sets, for example one per student bench.
- Whether you need extra quantities of the sulfuric acid or copper sulfate solution for repeat
- as