Science Lab

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Product Name :

Electrode, Carbon Rod

Product Code :

SLE/CH/123



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Description :

Electrode, Carbon Rod (Product Code: SLE/CH/123) is a cylindrical carbon electrode for electrolysis experiments, packed 50 to a pack so that a teacher can equip every bench in a practical class and still keep spares on the shelf. Carbon conducts electricity yet stays largely unreactive in the electrolytes used in school practicals, which is why carbon rods remain theusual inert electrode for studying what happens at the anode and cathode. The rods are suppliedby **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, to secondary schools,junior colleges and teacher-training centres building up their school chemistry lab equipment inIndia.

Specifications

Parameter	Detail
Material	Carbon
Shape	Cylindrical rod
Dimensions	100 x 5 mm
Application	Electrolysis experiments
Pack size	50 rods per pack

Typical Use

In a typical practical, two rods are mounted so that they stand parallel in a beaker of electrolyte without touching, then connected to a low-voltage DC source with crocodile-clip leads. Students watch for gas bubbles, colour changes or metal deposits at each rod – for example copper plating onto the cathode from copper(II) sulphate solution, or bubbles forming during the electrolysis of dilute acids and salt solutions. Because the carbon itself takes no part in most of these reactions, the observations can be linked directly to the ions present in the solution.

Keep the metal clips above the liquid so that only carbon touches the electrolyte, rinse the rods with distilled water after each run and let them dry before storage. An anode that gives off oxygen or chlorine slowly wears and roughens over repeated use; buying from a chemistry consumables supplier in India in packs of 50 means worn pieces can be swapped out without interrupting a practical session.

Supplier

Electrode, Carbon Rod is supplied by Jain Scientific Equipments Private Limited, which trades under the name ScienceLab and is based in Ambala, Haryana, India. Vendor registration details for the supplying company are GSTIN 06AAECJ8618A1ZT and Importer-Exporter Code AAECJ8618A issued by the DGFT, under which shipments to overseas buyers are handled. More about the company is available in our company profile.

Related Chemistry Lab Equipment

Items that complete an electrolysis set-up built around these carbon rods:

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