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

Product Name :

Electrode, Carbon, Pair

Product Code :

SLE/CH/83



Description :

The **Electrode, Carbon, Pair** (Product Code: SLE/CH/83) is a set of carbon electrodes designed as replacement parts for the Hoffman Electrolysis Apparatus. Each pair comes with insulated lead wires and stoppers, so a laboratory can restore a voltameter whose electrodes have worn or broken without replacing the whole glass assembly. It is used by chemistry teachers and lab assistants maintaining electrolysis apparatus in India and overseas, and is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Electrode material	Carbon
Quantity	One pair
Included	Carbon electrodes, insulated lead wires and stoppers
Designed for	Replacement in the Hoffman Electrolysis Apparatus

Typical Use

In a Hoffman voltameter the electrodes sit at the bottom of the two side limbs, sealed in by stoppers, while the gases produced collect above them. Carbon is chosen because it conducts well yet does not dissolve in most electrolytes, which makes it well suited to electrolysing salt solutions such as brine, where the chlorine released at the anode would attack many metal electrodes. Students can then measure gas volumes in each limb and relate them to the ions discharged at each electrode.

To fit a new pair, drain and rinse the apparatus, push each stopper firmly into its limb so it seals without leaking, and route the insulated leads to a low-voltage DC supply, noting which electrode is the anode. Carbon anodes slowly wear during long oxygen-producing runs, so keeping a spare pair among your lab equipment spare parts avoids cancelled practicals. After use, rinse the electrodes with distilled water and let them dry before storage.

Manufacturer

These electrodes are made by **Jain Scientific Equipments Private Limited**, known by its trading name **ScienceLab**, headquartered in Ambala, Haryana, India. The company supplies complete apparatus as well as the spares that keep it running; see our company profile.

Related Chemistry Lab Equipment

Apparatus and alternatives for electrolysis practicals:

- Hoffman Electrolysis Apparatus — the complete apparatus these electrodes are made for
- Hoffman Voltameter — the glass voltameter used for gas-volume electrolysis
- Electrode Platinum — an inert metal alternative for water electrolysis
- Electrode, Carbon Rod — loose carbon rods for beaker-scale electrolysis

See a

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