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Product Name :

Electrode Platinum

Product Code :

SLE/CH/124



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Description :

Electrode Platinum (Product Code: SLE/CH/124) is a pair of platinum electrodes made from rectangular foil and fused into a protective glass tube, intended for the electrolysis of water and other experiments where the electrode must stay chemically inert. An internal connection lead runs through the tube and a rubber stopper to screw terminals, so the pair can be wired straightto a DC supply. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, amaker of chemistry lab equipment in India, for school, college and university laboratories thatwant platinum electrodes for their electrolysis apparatus in India.

Specifications

Parameter	Detail
Supplied as	A pair of electrodes
Electrode form	Rectangular platinum foil
Mounting	Fused into a protective glass tube
Connection	Internal lead running through the tube and rubber stopper to screw terminals
Inner glass tube (holds the electrode)	Length 110 mm x dia. 8 mm
Outer glass tube (covers the electrode)	Length 115 mm x dia. 18 mm
Design feature	Foil shape exposes as much metal as possible to the reactant (water)

Typical Use

The pair is the heart of a classic water-electrolysis demonstration: with the electrodes sealed into the apparatus and the water made conductive with a little dilute acid or salt, students see hydrogen collect above the cathode and oxygen above the anode in roughly a 2:1 volume ratio. Because platinum neither dissolves nor oxidises under these conditions, the gas volumes reflect the decomposition of water alone, which makes the result far cleaner than with reactive metal electrodes. The broad foil face spreads the current over a large area, so bubbles form evenly across the metal.

Handle the assembly by its glass, never by the foil, and tighten the screw terminals gently so that no strain reaches the glass-to-metal seal. After each session rinse the electrodes with distilled water and store them cushioned in their box, alongside the rest of your chemistry lab glassware in India, to protect both the foil and the tubes.

Manufacturer

Electrode Platinum is produced by Jain Scientific Equipments Private Limited, a company that trades as ScienceLab from Ambala, Haryana, India, and builds apparatus for teaching and resea any profil