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

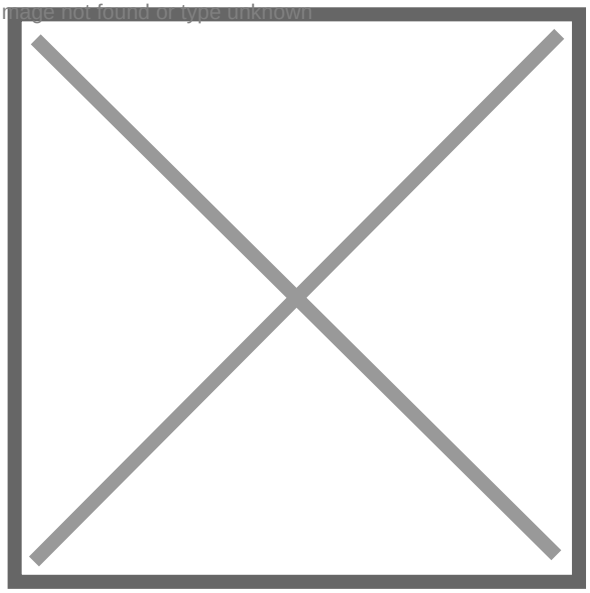
Product Name :

Water Synthesis Apparatus (Eudiometer)

Product Code :

SCI-021/04

Image not found or type unknown



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

Description :

Water Synthesis Apparatus (Eudiometer) (Product Code: SCI-021/04) is a graduated glassgas tube used to demonstrate the formation of water from hydrogen and oxygen in school andcollege chemistry laboratories. The 16 mm diameter tube is made of resistant glass, closed atone end and fitted with an electrical conductor filament through which a spark ignites the gasmixture. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEMmanufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Tube	Resistant glass
Diameter	16 mm
Graduation	0.1 mm (as listed)
Ends	Closed on one side
Ignition	Electrical conductor filament
Product code	SCI-021/04
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Eudiometer Used For?

A eudiometer is a graduated tube for measuring gas volumes before and after a reaction. For water synthesis, the tube is filled with water and inverted, measured volumes of hydrogen and oxygen are introduced, and a spark across the conductor filament ignites the mixture. The gases combine to form water, and the gas left over shows that hydrogen and oxygen react in a ratio of two volumes to one.

The experiment is the natural partner to electrolysis — one splits water, the other builds it — and it illustrates Gay-Lussac's law of combining volumes. Hydrogen–oxygen mixtures ignite violently, so it should be run as a teacher demonstration with small volumes, a securely clamped tube, a safety screen and eye protection, alongside the school's other gas collection apparatus.

What to Specify When Ordering

- The number of eudiometer tubes required, including any spares for breakage.
- Whether a spark source and a stand with clamp should be quoted as well, since they are not listed with the tube.
- Any length or volume requirement, as only the 16 mm diameter and 0.1 mm graduation are listed.

OEM Manufacturer

Scien
equip
Scien
chem

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