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

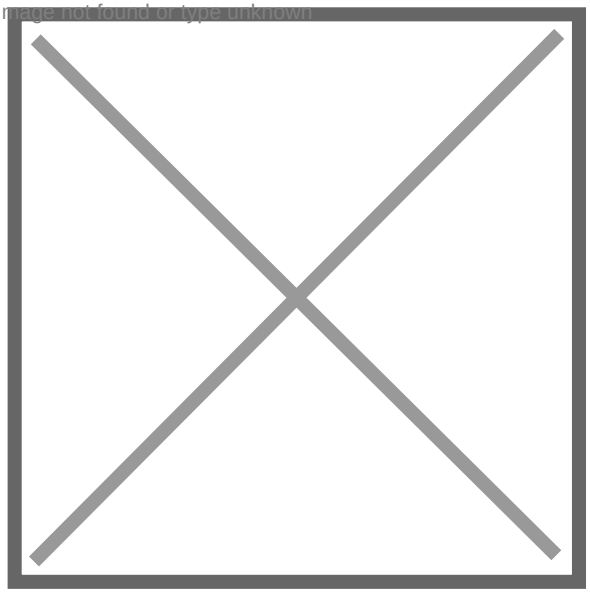
Product Name :

Ignition Tubes

Product Code :

SCL-695/093

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Description :

Ignition Tubes (Product Code: SCL-695/093) are small tubes of clear borosilicate glassdesigned for heating a few milligrams of a solid strongly in a burner flame. Chemistry studentsmeet them in two practicals above all: the sodium fusion (Lassaigne's) test for nitrogen, sulphurand halogens in organic compounds, and the dry heating tests that open a qualitative saltanalysis. The glass is heat resistant and chemical resistant, so it tolerates red heat and contactwith molten reagents far better than soft glass. Ignition tubes are a standard consumable in anysalt analysis kit for schools, and these are made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Product Code	SCL-695/093
Material	Borosilicate glass
Colour	Clear
Resistance	Heat resistant, chemical resistant
Application	Used in laboratory work for strong heating of small samples

Typical Use

For the sodium fusion test, a pea-sized piece of dried sodium and a little of the organic compound are heated in the tube, gently at first and then to red heat. The glowing tube is plunged into distilled water in a china dish, where it shatters; the mixture is boiled, filtered, and the filtrate used to test for nitrogen, sulphur and halogens. In salt analysis, a small amount of the salt is heated in a dry ignition tube while the student notes any gas given off, a change of colour, crackling or a sublimate on the cooler upper wall. These observations point towards the ions present before any wet tests begin.

Always wear eye protection, hold the tube with a holder and point its mouth away from everyone. Cut sodium into small pieces with forceps and a knife, keep the rest under kerosene, and perform the plunging step behind a screen or at arm's length. Tubes used for fusion are broken as part of the method, so plan on one per test and dispose of the fragments in a glass-waste bin.

Manufacturer

ScienceLab is the trade name of Jain Scientific Equipments Private Limited, a laboratory apparatus and glassware manufacturer located in Ambala, Haryana, serving schools, colleges and dealers in India and international markets. Read more on the ScienceLab company profile.

Related Chemistry Lab Equipment

For fusion and dry heating tests, ignition tubes are ordered with: