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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 glass designed for heating a few milligrams of a solid strongly in a burner flame. Chemistry students meet them in two practicals above all: the sodium fusion (Lassaigne's) test for nitrogen, sulphur and halogens in organic compounds, and the dry heating tests that open a qualitative salt analysis. The glass is heat resistant and chemical resistant, so it tolerates red heat and contact with molten reagents far better than soft glass. Ignition tubes are a standard consumable in any salt 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:

- [Sodium](#)
- [Forceps](#)
- [Test Tube](#)
- [Chemical](#)

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