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Product Name :

Physical Properties of Glass

Product Code :

SLE/CH/167



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Description :

Physical Properties of Glass (Product Code: SLE/CH/167) is a forensic science activity in which students learn about the different chemical and physical characteristics and properties of glass, and find out how forensic scientists use these differences to help provide evidence that solves crimes. There is enough material for 15 groups, and the activity comes with a Teachers Manual and Student Guide and Analysis copy-masters. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as a science kit with manual support for chemistry and forensic science classes.

Key Details

Parameter	Detail
Type	Forensic chemistry activity kit
Subject	Chemical and physical characteristics and properties of glass
Forensic application	How differences between glasses are used as evidence in criminal investigations
Group capacity	Enough material for 15 groups
Teaching material	Teachers Manual; Student Guide and Analysis copy-masters

Typical Use

During a criminal investigation, police and crime scene investigators use every available tool and piece of evidence to work backwards and build the most likely picture of what happened, and each type of evidence supplies a different piece of the puzzle. Glass is a common example: a broken window, bottle or headlamp can leave fragments at a scene and on a suspect. In this activity students examine how glasses differ in their chemical and physical properties and then apply that knowledge the way a forensic examiner would – deciding whether two samples could share a source.

The Teachers Manual sets out the lesson, while the Student Guide and Analysis copy-masters give each group a structured record of observations and conclusions. With material for 15 groups, one kit can serve a full class working in pairs or threes, which makes it practical school chemistry lab equipment for a forensic-themed unit. Treat any glass samples with care: wear eye protection, handle pieces with tweezers or gloves, and put broken fragments in a dedicated broken-glass container.

Supplier

This forensic activity reaches schools through Jain Scientific Equipments Private Limited, the Ambala, Haryana company that trades as ScienceLab and sources practical kits and consumables alongside the apparatus it builds. Our company profile gives the background.

Related Chemistry Lab Equipment

Kits a