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Product Name :

Melting Point Apparatus Simple

Product Code :

SLE/H/18



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Description :

Melting Point Apparatus Simple (Product Code: SLE/H/18) is a very simple device for determining the melting point of amorphous solids. It consists of an aluminium cylinder with an obliquely drilled hole at its top that holds a thermometer; a thin layer of the test substance is sprinkled on the top face, the block is heated gently, and the temperature at which the substance melts is read straight from the thermometer. It suits introductory chemistry and physics practicals, and it is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its school chemistry lab equipment for India and international markets.

Key Details

Parameter	Detail
Type	Simple block-type melting point apparatus
Purpose	Determination of the melting point of amorphous solids
Body	Aluminium cylinder
Thermometer mounting	Obliquely drilled hole at the top for accommodating thermometers
Method	Very thin layer of substance sprinkled on top of the block, heated gently; melting temperature read directly from the thermometer

Typical Use

The block is set on a stand above a small, gentle flame and a thermometer is slid into the oblique hole so its bulb lies inside the aluminium close to the top face. A pinch of the powdered sample is spread in a very thin layer on that face. As the block warms, students watch the powder closely and note the thermometer reading at the moment it turns to liquid. Because aluminium carries heat quickly, the top face and the thermometer bulb stay at similar temperatures, which is what makes a direct reading possible. For substances that soften gradually, it is worth recording both the point where softening starts and where the layer becomes fully liquid.

Heat slowly as the expected melting point approaches, clean the top face between samples once the block has cooled, and use a fresh thin layer for each reading so results can be repeated. Its simplicity makes it popular as low-maintenance lab equipment for college and school practical rooms where a quick, visual melting-point check is needed.

Manufacturer

The apparatus is manufactured by **Jain Scientific Equipments Private Limited**, trading as **ScienceLab** and based in Ambala, Haryana. Registered with the Ministry of Corporate Affairs under CIN U29309HR2020PTC087597, the company produces its range at a licensed factory in HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). More detail is in our company profile.

Related Laboratory Equipment

Items

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