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

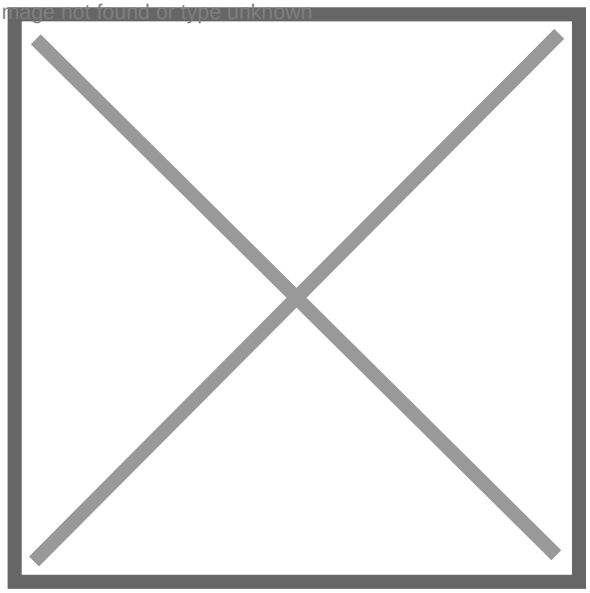
Product Name :

Iodine (Crystals)

Product Code :

SCI-541/234

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Description :

Iodine (Crystals) (Product Code: SCI-541/234) is analytical reagent grade elemental iodine in crystal form, used to prepare iodine solution for starch tests and to demonstrate sublimation and halogen chemistry in school, college and biology laboratories. It is supplied in a 50 g pack with an MSDS, and its grey-black crystals turn directly into violet vapour when gently warmed. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory chemicals supplier in India.

Specifications

Parameter	Detail
Substance	Iodine, I2
Form	Crystals
Grade	Analytical reagent
Pack size	50 g
MSDS	Supplied with the pack
Shelf life	Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted.
Product code	SCI-541/234
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Iodine Used For?

Iodine barely dissolves in water on its own, so for the starch test it is first dissolved in potassium iodide solution to give the familiar brown iodine solution. A drop on bread, potato or a decolourised leaf turns blue-black where starch is present, the basis of food tests and the leaf-starch photosynthesis experiment. Many biology and chemistry departments in India make their own iodine solution for lab use from the crystals in exactly this way.

Gently warming a few crystals in a dry beaker covered with a cold watch glass shows sublimation: violet vapour rises and grey-black crystals form again on the cool glass. Iodine also dissolves in non-polar solvents such as hexane with a violet colour and is titrated with sodium thiosulfate in redox analysis. The vapour irritates eyes and lungs and the solid stains and can burn skin, so sublime it only in a fume cupboard, move crystals with a spatula and keep the bottle tightly closed.

Supplier

Jain Scientific Equipments Private Limited supplies Iodine (Crystals) under the ScienceLab name from Ambala, Haryana. Institutions registering a new vendor can record the supplying company as Jain Scientific Equipments Private Limited, CIN U29309HR2020PTC087597, GSTIN 06AAECJ8618A1ZT. Read about the company on the ScienceLab profile page.

Rela

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