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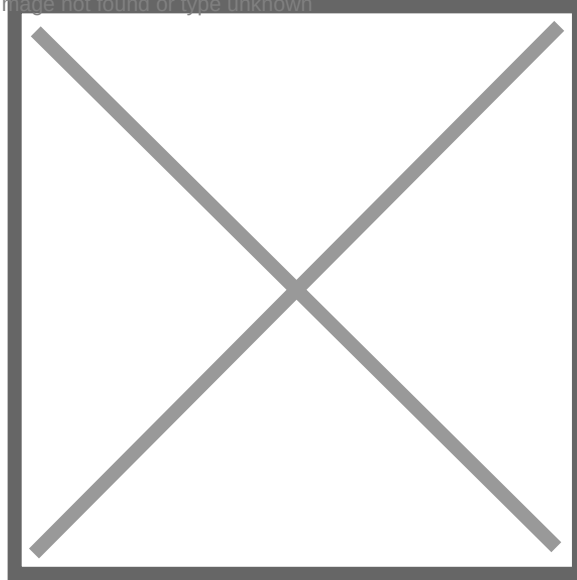
**Product Name :**

Iodine Solution N/10

**Product Code :**

SCL-871/178

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## Description :

**Iodine Solution N/10** (Product Code: SCL-871/178) is a decinormal (0.1 N) iodine solution used as the titrant in iodimetric and iodine–thiosulphate titrations in college and senior secondary chemistry labs. Supplied ready-made in a 500 ml analytical reagent bottle with an MSDS, it spares staff from weighing out volatile iodine crystals and fits neatly into a volumetric analysis kit. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

## Specifications

| Parameter            | Detail                                                                                                                        |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product              | Iodine solution                                                                                                               |
| Normality            | N/10 (decinormal, 0.1 N), as named                                                                                            |
| Capacity             | 500 ml                                                                                                                        |
| Grade                | Analytical reagent                                                                                                            |
| Safety documentation | Supplied with MSDS                                                                                                            |
| Usual indicator      | Freshly prepared starch solution                                                                                              |
| 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         | SCL-871/178                                                                                                                   |
| Supplied by          | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India                                                                |

## What Is N/10 Iodine Solution Used For?

In an iodimetric titration the solution is run from a burette into the sample until the first permanent blue-black colour with starch appears; vitamin C (ascorbic acid) in juice or tablets is the favourite classroom example because the result links directly to nutrition. In the reverse arrangement, iodine is titrated with sodium thiosulphate and starch is added near the end, once the solution has faded to pale yellow, so that the blue colour disappears sharply.

The solution fits naturally into a titration kit for school and college students working through redox titrations. The same bottle also serves the blue-black starch test in food and enzyme practicals and can supply iodine for the iodoform test.

Iodine attacks rubber and slowly escapes from loosely closed bottles, so use a burette with a glass stopcock and keep the solution tightly stoppered in amber glass away from light and heat. Check its strength against sodium thiosulphate before exact quantitative work. It stains skin and clothing brown; wear gloves, and wipe up spills with a little thiosulphate solution, which decolourises iodine.

## Supplier

Iodine Solution N/10 is supplied by Jain Scientific Equipments Private Limited, a Hariana company. For more information or to place an order, contact us on the above details or other details given on our website. We are also available for customised titration kits.

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