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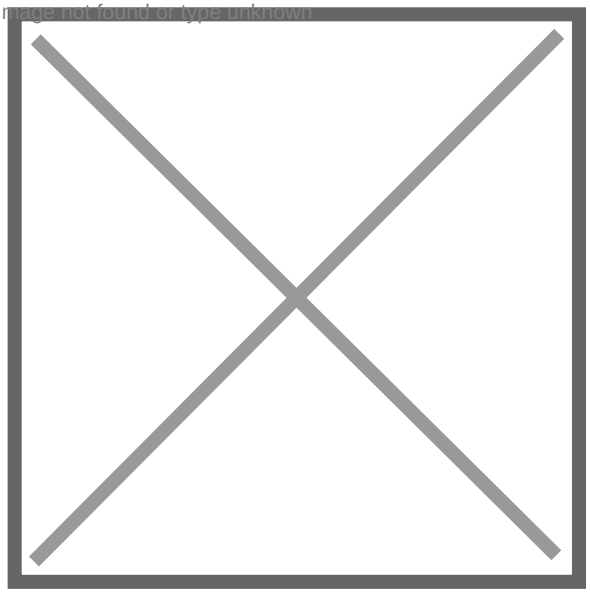
Product Name :

Solution Fehling A

Product Code :

SCL374/087

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Description :

Solution Fehling A (Product Code: SCL374/087) is the blue copper(II) sulfate half of Fehling's reagent, used with Fehling B to test for reducing sugars and aldehydes in biology and chemistry laboratories. Teachers stock it in a 250 ml bottle of analytical reagent grade with an MSDS and pair it with Fehling B to make up a complete Fehling solution kit. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory chemicals supplier in India.

Specifications

Parameter	Detail
Capacity	250 ml
Grade	Analytical reagent
Safety document	Supplied with MSDS
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	SCL374/087
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Fehling Solution A Used For?

Fehling A is never used on its own. Just before a test, equal volumes of Fehling A and Fehling B are mixed to give a deep blue solution, which is added to the sample in a test tube and heated in a boiling water bath. A reducing sugar such as glucose turns the mixture green, then yellow-orange, and finally a brick-red precipitate of copper(I) oxide forms, while sucrose stays blue unless it is first hydrolysed.

In chemistry, the same reaction separates aldehydes, which reduce the copper, from ketones, which generally do not. Copper salt solutions are harmful if swallowed and irritate eyes and skin, so wear goggles, heat tubes in a water bath rather than a direct flame, and dispose of copper-containing residues as the MSDS advises.

What to Specify When Ordering

- Solution Fehling B as well – both bottles are needed for the test (linked below).
- Number of 250 ml bottles per lab; A and B are normally ordered in equal numbers.
- Any test tubes, holders or a water bath needed to run the practical.

Supplier

Jain Scientific Equipments Private Limited, trading as ScienceLab, supplies Solution Fehling A from Ambala, Haryana, as a sourced analytical reagent. Because both halves of the reagent are listed, a school can order Fehling A and Fehling B together with test tubes and a water bath from one supplier. See our company profile for more about the company.

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