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

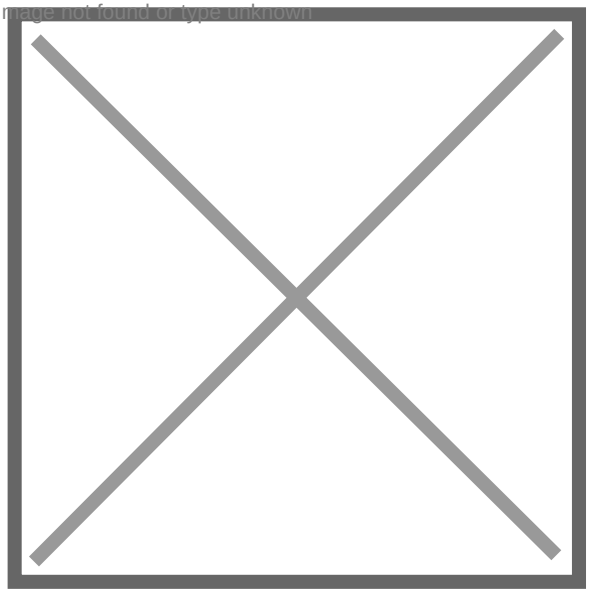
Product Name :

Fehling A Solution

Product Code :

SCL-841/164

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Description :

Fehling A Solution (Product Code: SCL-841/164) is the copper-containing half of Fehling's reagent, used after mixing with Fehling B to detect reducing sugars and aliphatic aldehydes in school and college laboratories. Biology, organic chemistry and food-testing practicals rely on this 500 ml analytical reagent, supplied with an MSDS, for the familiar brick-red precipitate test. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratory chemicals supplier in India.

Specifications

Parameter	Detail
Product code	SCL-841/164
Reagent	Fehling's solution A (copper component)
Grade	Analytical reagent
Capacity	500 ml
MSDS	Supplied
Used with	Fehling B Solution (ordered separately)
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.
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Fehling A Solution Used For?

Equal volumes of Fehling A and Fehling B are poured into a test tube to give a deep blue mixture, the sample is added, and the tube is warmed in a water bath or over a gentle flame. Glucose, fructose, maltose and simple aliphatic aldehydes such as formaldehyde reduce the copper(II) ions, and a red to orange precipitate of copper(I) oxide settles out. Sucrose, most ketones and aromatic aldehydes such as benzaldehyde do not give this result, which lets students separate these groups in functional-group analysis. Stocking both halves as a Fehling solution kit keeps these tests ready for every batch.

The two solutions are stored apart because the mixed reagent does not keep; combine only the amount required for the day's tests. Copper sulphate solution is harmful if swallowed and irritating to the eyes, so pupils should use test-tube holders when heating and wash hands after the practical.

Supplier

ScienceLab is the trading name of Jain Scientific Equipments Private Limited in Ambala, Haryana, which supplies Fehling A Solution among its prepared reagents. The company sources reagents and chemicals for schools, colleges and food-testing laboratories in India and international markets, so both halves of Fehling's reagent can be quoted in one enquiry. See the comp

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