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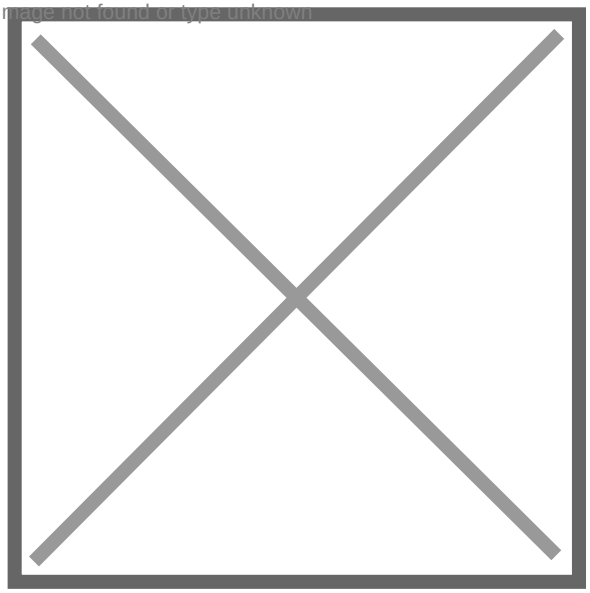
Product Name :

Fehling's Sol A (Test Of Sucrose)

Product Code :

SCL383/099

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Science Lab

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Description :

Fehling's Sol A (Test Of Sucrose) (Product Code: SCL383/099) is the copper-containing half of Fehling's reagent, used with Fehling's Solution B to detect reducing sugars and, after acid hydrolysis, sucrose in school and college food-test practicals. It comes as an analytical reagent in a 500 ml pack with its MSDS, one half of the Fehling solution kit India's biology labs usually order as a pair. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory chemicals supplier in India.

Specifications

Parameter	Detail
Product	Fehling's Solution A
Grade	Analytical reagent
Pack size	500 ml
Documentation	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.
Partner solution	Fehling's Solution B (listed separately)
Product code	SCL383/099
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Fehling's Solution A Used For?

Equal volumes of Solution A and Solution B are mixed in a test tube to give a deep blue working reagent, the sample is added and the tube is heated in a boiling water bath. A reducing sugar such as glucose converts the blue copper complex into a brick-red precipitate of copper(I) oxide. Sucrose, however, is a non-reducing sugar and leaves the mixture blue.

To test for sucrose, students first boil the sample with dilute hydrochloric acid to split it into glucose and fructose, neutralise the acid, and then repeat the Fehling's test; a red precipitate that appears only after hydrolysis points to sucrose. Running untreated and hydrolysed samples side by side, with glucose as a positive control, makes the comparison clear. Solution A contains copper salts, so wear goggles and gloves and collect waste rather than washing it away.

Supplier

ScienceLab is the trading name used by **Jain Scientific Equipments Private Limited**, based in Ambala, Haryana, India. The company supplies test reagents such as this solution alongside the glassware and heating apparatus used with them, and quotes both halves of Fehling's reagent together on request. Our company profile has more information.

Related Biology Lab Products

What

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