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

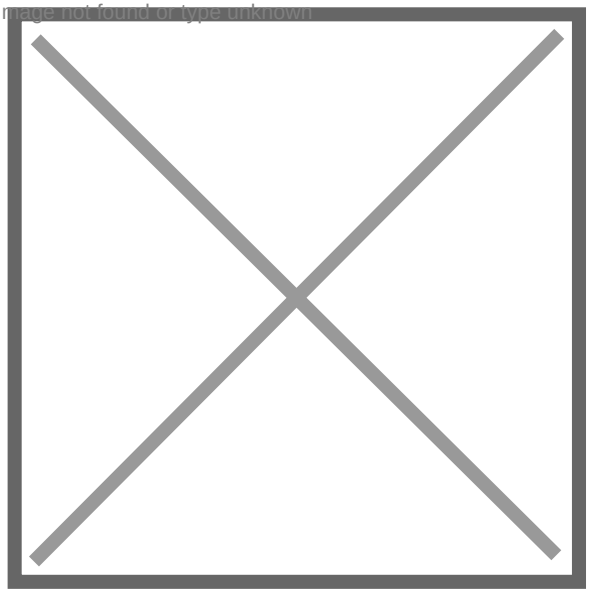
Product Name :

Benedict Solution

Product Code :

SCL-777/133

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Description :

Benedict Solution (Product Code: SCL-777/133) is a blue, alkaline copper(II) reagent used to detect reducing sugars in food tests and carbohydrate practicals in school and college laboratories. Biology and chemistry teachers keep this Benedict solution for school labs in India because a heated sample shifts from blue to green, yellow, orange or brick red with the amount of sugar; it comes ready to use in a 500 ml bottle, listed as analytical reagent with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Supplied as	Solution
Pack size	500 ml
Grade	Analytical reagent
Safety documentation	Supplied with MSDS
Shelf life	Shelf life depends on the chemical, its grade and storageconditions; ask us for the expiry date of the batch you are quoted.
Product code	SCL-777/133
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Benedict Solution Used For?

Students add a small volume of the sample solution to the reagent in a test tube and stand the tube in a boiling laboratory water bath for a few minutes. If a reducing sugar such as glucose, fructose, maltose or lactose is present, the blue colour gives way to green, yellow, orange and finally a brick-red precipitate, so the final colour gives a rough idea of the amount. Sucrose and starch do not react directly; boiling them first with dilute acid and neutralising the mixture breaks them into reducing sugars, which then test positive.

Always run two controls alongside the unknowns: one tube with water for the unchanged blue, and one with a glucose solution for a clear positive. Heating in a water bath rather than directly over a flame prevents the liquid spurting from the tube. The solution contains a copper salt, so keep it off skin and out of eyes, cap the bottle after each class and store it away from direct sunlight.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is based in Ambala, Haryana. The company supplies ready-made reagents and solutions such as this one to schools, colleges and laboratories in India and international markets, alongside the glassware and water baths used in food-test practicals. More about the company is on the profile page.

Related Chemistry Lab Products

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