Email : sales@scilabexport.com
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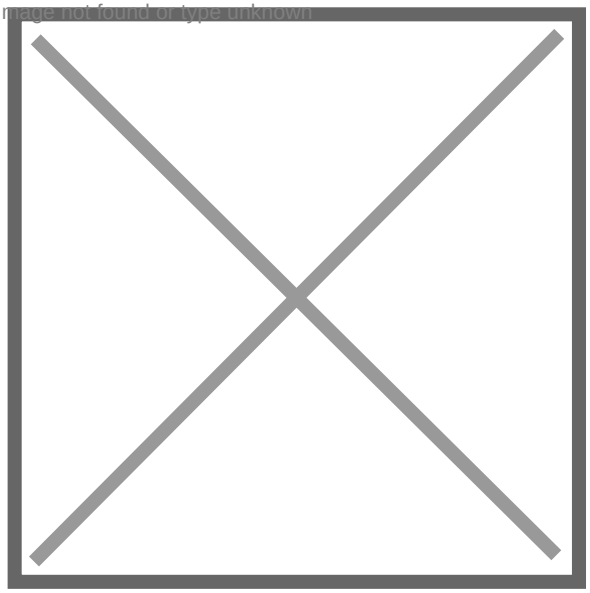
Product Name :

Hydrochloric Acid (Conc)

Product Code :

SCL389/0104

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Description :

Hydrochloric Acid (Conc) (Product Code: SCL389/0104) is concentrated hydrochloric acid of analytical reagent grade, used by teachers and laboratory staff to prepare dilute acid for root-tip maceration, sugar hydrolysis and other practicals in school and college labs. It comes in a 500 ml bottle with its MSDS and belongs in the locked chemistry reagent cabinet India's school laboratories keep for acids. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Product	Hydrochloric acid, concentrated
Grade	Analytical reagent
Pack size	500 ml
Safety data	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	SCL389/0104
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Concentrated Hydrochloric Acid Used For?

For the mitosis practical, freshly grown onion root tips are warmed briefly in dilute hydrochloric acid, which breaks down the material holding the cells together. The softened tips are then stained with acetocarmine in a watch glass and gently squashed under a coverslip so that individual dividing cells can be seen. Dilute acid is also used to hydrolyse sucrose before a Benedict's or Fehling's test, showing students that a non-reducing sugar gives a positive result once it has been split into simpler sugars.

Concentrated acid should be opened and diluted only by a teacher or lab assistant, ideally in the fume cupboard a school in India sets aside for acids, wearing goggles and gloves. Always add the acid slowly to water, never water to acid, and use the strength given in your practical manual. Between sessions, keep the bottle tightly closed, apart from alkalis and oxidising chemicals, as the MSDS describes.

Supplier

This acid is supplied by **Jain Scientific Equipments Private Limited**, better known by its trading name ScienceLab, from Ambala, Haryana, India. The company provides practical reagents to schools and colleges alongside safety items such as goggles and fume cupboards, and confirms hazardous-goods packing for each order. Details are on our company profile page.

Related Biology Lab Products

Items
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