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

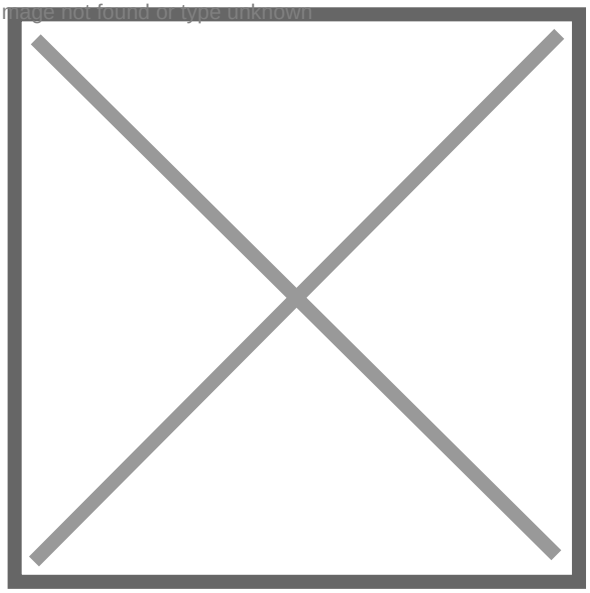
Product Name :

Chromium Sulfate

Product Code :

SCI-705/311

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Description :

Chromium Sulfate (Product Code: SCI-705/311) is an analytical reagent grade chromium(III) salt used to study transition-metal colours, amphoteric hydroxides and chromium oxidation states in college and senior school chemistry laboratories. It comes as a 100 g pack with its MSDS and gives teachers a trivalent chromium source for demonstrations that do not start from chromate or dichromate. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, whose laboratory chemicals range covers transition-metal salts like this one.

Specifications

Parameter	Detail
Grade	Analytical reagent
Pack capacity	100 g
MSDS	Supplied with the product
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	SCI-705/311
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Chromium Sulfate Used For?

Chromium(III) sulfate solutions are violet or green depending on what surrounds the chromium ion, and gently heating a violet solution turns it green as sulfate joins the complex — a simple way to introduce complex ions and ligand exchange. Adding sodium hydroxide gives a grey-green precipitate of chromium(III) hydroxide that dissolves in excess alkali to a green solution, the standard demonstration of an amphoteric hydroxide.

Warming that alkaline solution with hydrogen peroxide oxidises chromium(III) to yellow chromate, showing the change from the +3 to the +6 oxidation state; the product is a chromium(VI) compound and must be collected as hazardous waste. In industry, basic chromium sulfate is the tanning agent behind chrome-tanned leather, a useful applied-chemistry example. Wear gloves, avoid raising dust and keep all chromium residues out of the sink.

What to Specify When Ordering

- The number of 100 g packs each laboratory needs.
- The experiments you plan (complex-ion colours, amphoteric hydroxide test or oxidation to chromate), so companion reagents are included.
- Companion reagents such as sodium hydroxide and hydrogen peroxide for the same enquiry.

Supplier

ScienceLab is how Jain Scientific Equipments Private Limited trades, and the company supplies Chro ng. Colle cobal mark