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Product Name :

Hydrated Calcium Chloride

Product Code :

SCI-581/252

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Website: <https://scilabexport.com>, **Email:** sales@scilabexport.com

1226/1-5, Bengali Mohalla, Science Market | 133001, Haryana



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Description :

Hydrated Calcium Chloride (Product Code: SCI-581/252) is an analytical reagent grade calcium chloride containing water of crystallisation, used as a source of calcium ions for precipitation, flame and water-hardness experiments in school and college laboratories. Lab technicians buy it in a 200 g pack that comes with an MSDS, which makes it convenient stock for a teaching lab. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of its range of chemistry consumables.

Specifications

Parameter	Detail
Chemical	Calcium chloride, hydrated form (CaCl_2 with water of crystallisation)
Grade	Analytical reagent
Pack quantity	200 g
Documentation	MSDS supplied with the pack
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-581/252
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Hydrated Calcium Chloride Used For?

A calcium chloride solution is a simple source of calcium ions. Adding sodium carbonate gives a white precipitate of calcium carbonate, and ammonium oxalate gives white calcium oxalate, so both reactions are used when teaching precipitation and when confirming calcium in salt analysis. A moistened sample on a clean wire loop turns a Bunsen flame brick-red.

Teachers also dissolve a little in distilled water to make artificially hard water for soap-lather comparisons: calcium chloride causes permanent hardness, which boiling does not remove but washing soda does. Because this grade already carries water, it is not the drying agent for desiccators or drying tubes; fused (anhydrous) calcium chloride is chosen for that job.

Supplier

Jain Scientific Equipments Private Limited trades as ScienceLab and supplies analytical reagents such as Hydrated Calcium Chloride to school chemistry departments, colleges and training institutes, and to dealers who stock science store rooms. Buyers can combine this salt with other calcium compounds and glassware in one quotation. Company background is on the [ScienceLab profile](#) page.

Related Laboratory Equipment

Items that pair with calcium chloride in precipitation, flame and drying-agent comparisons:

- [Sodium carbonate](#) compared hard
- [Flame test](#) m flame

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