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

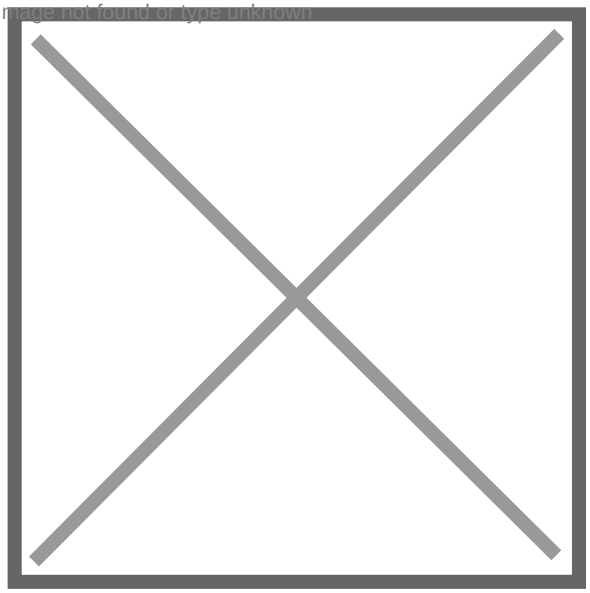
Product Name :

Calcium Oxide (Powder) Purified

Product Code :

SCL-795/142

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Description :

Calcium Oxide (Powder) Purified (Product Code: SCL-795/142) is quicklime in powder form, used to demonstrate the exothermic reaction of a metal oxide with water and to prepare lime water in school and college chemistry laboratories. Science teachers also use it to dry ammonia gas in senior practicals; it is listed in a 500 mg pack as an analytical reagent with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a chemistry consumables supplier for schools and colleges.

Specifications

Parameter	Detail
Form	Powder
Pack size (as listed)	500 mg
Grade (as listed)	Analytical reagent; the product name says purified – confirm grade at enquiry
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-795/142
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Calcium Oxide Powder Used For?

In the textbook activity, a small amount of quicklime is placed in a beaker and water is added slowly. The mixture hisses, the beaker becomes noticeably warm and the powder turns into slaked lime, showing a combination reaction that releases heat. Recording the water temperature before and after with a thermometer turns it into a simple calorimeter experiment. Once the milky suspension settles and is filtered, the clear filtrate is lime water, which turns milky when carbon dioxide is bubbled through it.

Quicklime also dries ammonia gas, which reacts with common drying agents such as concentrated sulphuric acid and calcium chloride. It is caustic, so wear goggles, avoid skin contact and add water in small portions rather than tipping water onto a heap of powder. In open air it slowly absorbs moisture and carbon dioxide and loses its reactivity, so reseal the pack straight after taking out the amount needed.

Supplier

Jain Scientific Equipments Private Limited, trading as ScienceLab, is based in Ambala, Haryana, and supplies chemicals like quicklime to educational institutions and dealers in India and international markets. Teachers can source the powder together with lime water and calcium carbonate for a complete lime-cycle lesson. Read more about the company on the ScienceLab profil

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