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

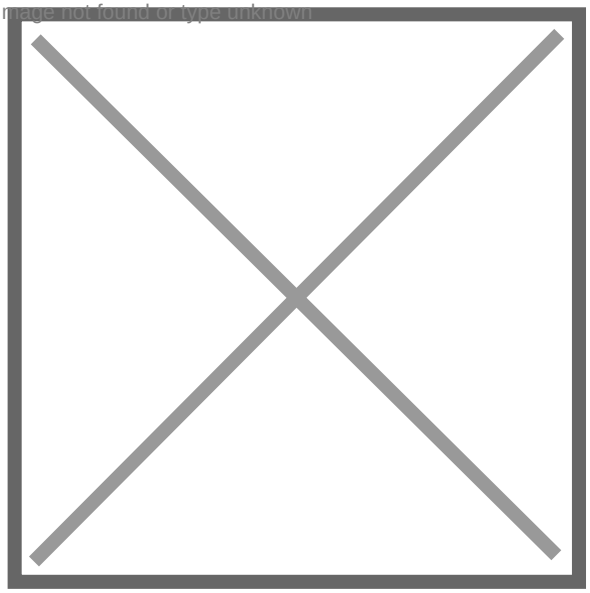
Product Name :

Aluminum Oxide

Product Code :

SCI-663/290

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Science Lab

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Description :

Aluminum Oxide (Product Code: SCI-663/290) is an analytical reagent grade aluminium compound, also called alumina, used to demonstrate amphoteric oxide behaviour and to act as the heated catalyst when ethanol is dehydrated to ethene in school and college chemistry laboratories. It comes in a 200 g pack with an MSDS, and because alumina is hard, stable and non-combustible it also features in lessons on ceramics, abrasives and refractories. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for chemistry lab needs in India.

Specifications

Parameter	Detail
Chemical	Aluminium oxide (alumina), Al2O3
Physical form	Not stated on this listing — ask us
Grade	Analytical reagent
Capacity	200 g
MSDS	Supplied
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-663/290
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Aluminum Oxide Used For?

Aluminium oxide is the textbook example of an amphoteric oxide. Warmed with dilute hydrochloric acid it gradually forms aluminium chloride, and with hot concentrated sodium hydroxide it forms a soluble aluminate, showing that one oxide can react both as a base and as an acid. Strongly heated alumina reacts only slowly, so allow time and use gentle warming.

In a standard school chemistry lab preparation of ethene, ethanol soaked into mineral wool at the bottom of a boiling tube is vaporised over strongly heated aluminium oxide, which removes water from it; the ethene is collected over water and tested with bromine water. Always lift the delivery tube out of the water before you stop heating, to prevent suck-back. Alumina dust irritates the eyes and lungs, so avoid breathing it in.

What to Specify When Ordering

- The physical form you need, since this listing does not state one.
- Your application, for example teaching demonstrations or a specialised method such as column chromatography.
- The number of 200 g packs required.

Supplier

Jain S
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