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

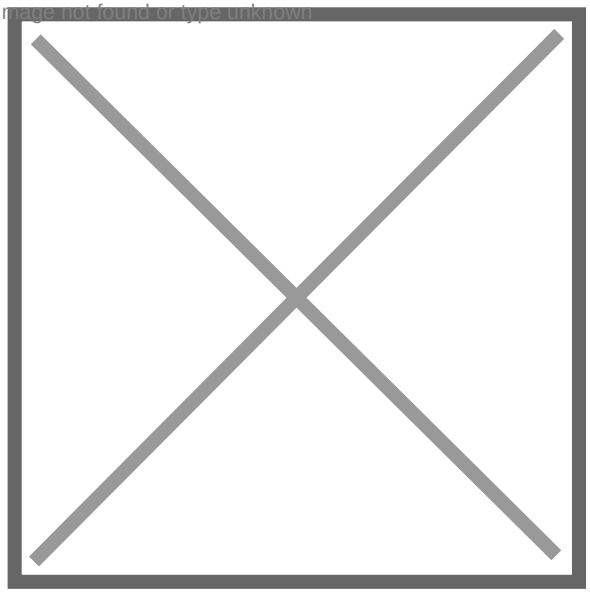
Product Name :

Manganese Dioxide

Product Code :

SCL-888/187

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Description :

Manganese Dioxide (Product Code: SCL-888/187) is manganese(IV) oxide, a black to dark brown solid used as the catalyst for preparing oxygen from hydrogen peroxide in schoolchemistry labs. Colleges also use it as an oxidising agent in the chlorine preparation and thechloride confirmatory test. This 500 gm analytical reagent pack comes with an MSDS and issupplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratorychemicals supplier for institutions that stock their own reagents.

Specifications

Parameter	Detail
Chemical	Manganese dioxide (manganese(IV) oxide), MnO_2
Capacity	500 gm
Grade	Analytical reagent
Safety documentation	Supplied with MSDS
Main role in practicals	Catalyst and oxidising agent
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-888/187
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Manganese Dioxide Used For?

In the oxygen practical, a spatula of manganese dioxide goes into a conical flask and hydrogen peroxide is added through a thistle funnel; the liquid froths, and the oxygen, collected over water in gas jars with standard gas collection apparatus, relights a glowing splint. If the black solid is filtered off, dried and weighed at the end, its mass is unchanged – simple evidence that a catalyst speeds up a reaction without being consumed. Changing the amount of catalyst and timing the volume of gas collected turns the same set-up into an investigation of reaction rate.

Warmed with concentrated hydrochloric acid in a fume cupboard, manganese dioxide oxidises the acid to chlorine; in salt analysis, heating a chloride with manganese dioxide and concentrated sulphuric acid releases chlorine as a confirmatory test for the chloride ion. Students also meet the compound in dry cells, where it surrounds the carbon rod as the depolariser. Avoid breathing the dust, keep it away from strong reducing agents and combustible material, and store the container closed in a dry place.

Supplier

Manganese Dioxide is supplied by **Jain Scientific Equipments Private Limited** under the **ScienceLab** name, from Ambala in Haryana, India. The company sources consumable reagents like this catalyst and supplies them to schools, colleges and trade customers in India and intern
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