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

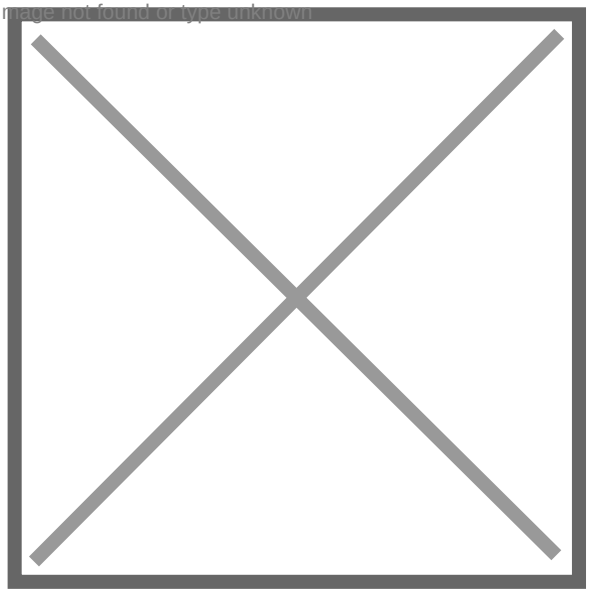
Product Name :

Manganese Oxide IV. (Manganese dioxide)

Product Code :

SCI-568/160

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Science Lab
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Description :

Manganese Oxide IV. (Manganese dioxide) (Product Code: SCI-568/160) is an analytical reagent grade manganese dioxide used mainly as a catalyst for preparing oxygen from hydrogen peroxide in school and college chemistry labs. It comes in a 100 g pack with an MSDS, a convenient size because a catalyst is recovered and reused rather than used up. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Chemical	Manganese(IV) oxide (manganese dioxide)
Grade	Analytical reagent
Capacity	100 g
Safety data	Supplied with MSDS
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-568/160
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Manganese Dioxide Used For?

The standard oxygen preparation adds a spatula of manganese dioxide to hydrogen peroxide solution in a conical flask; oxygen bubbles off rapidly, is collected over water and is identified because it relights a glowing splint. Filtering, drying and weighing the black solid afterwards shows that its mass is unchanged — the key evidence that it acts as a catalyst.

In college laboratories, manganese dioxide is heated with concentrated hydrochloric acid to generate chlorine, a reaction that must be carried out in a fume cupboard, and it is the oxidising agent in the zinc-carbon dry cells studied in electrochemistry. Avoid inhaling the dust and keep the oxide away from strong reducing agents and combustible materials.

What to Specify When Ordering

- The number of 100 g packs, bearing in mind that recovered catalyst can be reused.
- Hydrogen peroxide and gas-collection glassware for the oxygen practical.
- Whether a separate, larger-pack manganese dioxide listing would suit heavier use.

Supplier

ScienceLab, the trading name of Jain Scientific Equipments Private Limited, supplies Manganese Oxide IV. (Manganese dioxide) to teaching and testing laboratories as part of the lab chemicals it sources, with an MSDS in each pack. Hydrogen peroxide and oxygen-collection glassware can be quoted together for schools, colleges, dealers and importers. More information: ScienceLab profil

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