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

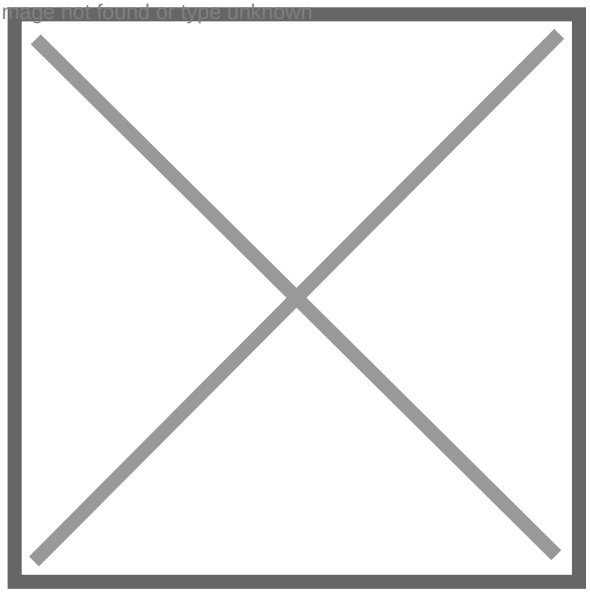
Product Name :

Iron Oxide (III)

Product Code :

SCI-249/158

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Description :

Iron Oxide (III) (Product Code: SCI-249/158) is an analytical reagent grade ferric oxide, the red-brown compound found in rust and haematite ore, used to teach oxidation, metal extraction and the chemistry of iron in school and college labs. It is supplied in a 200 g pack with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, alongside the glassware and heating apparatus used with it.

Specifications

Parameter	Detail
Grade	Analytical reagent
Capacity	200 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-249/158
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Iron(III) Oxide Used For?

Iron(III) oxide lets students examine the substance that forms when iron rusts and the main compound in haematite ore, so it accompanies rusting experiments and lessons on the blast furnace, where the oxide is reduced to iron by carbon monoxide. Warming a small sample with dilute hydrochloric acid gives a yellow-brown solution of iron(III) chloride, which students can test with sodium hydroxide to see the red-brown precipitate of iron(III) hydroxide.

Teachers also use the oxide with aluminium powder for the thermite reaction, which reaches extremely high temperatures and must only be carried out by trained staff outdoors or behind a screen. As a pigment, it explains the red colours of bricks, soils and paints in school chemistry lessons across India. Weigh it carefully to avoid raising dust, and wash hands after use.

Supplier

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, which sources Iron Oxide (III) for teaching laboratories and supplies it with an MSDS together with other iron compounds and general lab chemicals. Institutions, dealers and importers can combine it with glassware and heating apparatus on one quotation. Company details: ScienceLab profile.

Related Laboratory Equipment

Products used in iron chemistry practicals with this oxide:

- Iron Chloride (III) — the iron(III) salt formed when the oxide dissolves in hydrochloric acid.
- Hydrochloric Acid — dissolves iron(III) oxide for tests on iron(III) ions.