Email : sales@scilabexport.com
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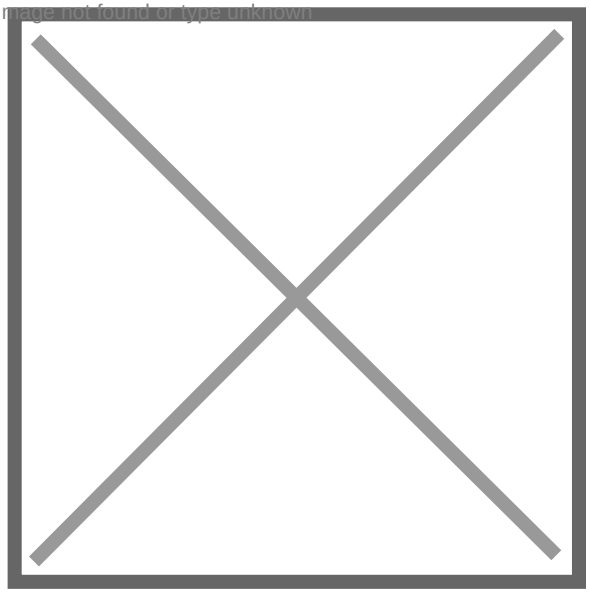
**Product Name :**

Powdered Iron (reduced)

**Product Code :**

SCI-427/129

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# Description :

**Powdered Iron (reduced)** (Product Code: SCI-427/129) is an analytical reagent grade fine iron powder used for mixture-and-compound, displacement and rusting experiments in school and college chemistry laboratories. The 200 g pack arrives with an MSDS, and the fine particle form makes reactions with sulfur, acids and copper salts quick to observe. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, one of the school science lab equipment suppliers in India.

## Specifications

| Parameter | Detail |
|---|---|
| Grade | Analytical reagent |
| Form | Powder (reduced iron) |
| Capacity | 200 g |
| Safety documentation | MSDS supplied |
| 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 | SCI-427/129 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is Reduced Iron Powder Used For?

The classic practical heats a mixture of iron powder and sulfur: before heating, a magnet pulls the iron out of the yellow mixture, but after the glowing reaction the black iron(II) sulfide is no longer drawn out by the magnet in the same way, showing the difference between a mixture and a compound. Iron powder stirred into blue copper sulfate solution becomes coated with pink copper as the solution fades to pale green, a clear displacement reaction.

Students also sprinkle a pinch into a Bunsen flame to see bright sparks, showing how a large surface area speeds up combustion, and set up rusting tests comparing iron in dry air, boiled water and moist air. Keep the container tightly closed, as fine iron slowly oxidises in damp air, and wear eye protection whenever it is heated.

## Supplier

Powdered Iron (reduced) is one of the reagent metals that Jain Scientific Equipments Private Limited, trading as ScienceLab, sources and supplies for chemistry teaching. Schools, colleges, dealers and importers in India and international markets can order it together with sulfur, copper salts and magnets for the same set of practicals. Company details are on the ScienceLab profile.

## Related Laboratory Equipment

Chemicals and apparatus for iron powder experiments:

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