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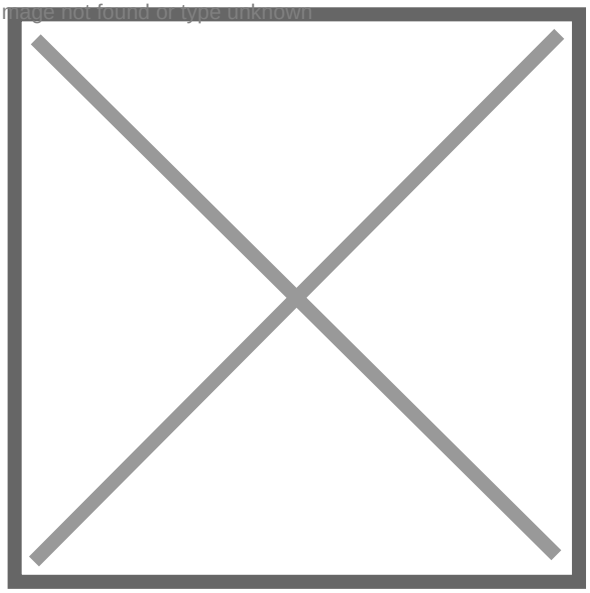
Product Name :

Zinc Sulfate

Product Code :

SCI-411/173

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Description :

Zinc Sulfate (Product Code: SCI-411/173) is an analytical reagent grade zinc salt used as the electrolyte of the zinc half-cell in Daniell cell experiments and for reactivity and ion tests in school and college chemistry laboratories. It is packed as 200 g with its MSDS, ready to sit alongside an electrochemical cell kit for school practicals. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Grade	Analytical reagent
Pack capacity	200 g
MSDS	Supplied with the product
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-411/173
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Zinc Sulfate Used For?

In the Daniell cell, a zinc plate stands in zinc sulfate solution and a copper electrode in copper sulfate solution, with a salt bridge or porous pot joining the two. Zinc atoms give up electrons and pass into solution while copper deposits on the other electrode, and a voltmeter across the plates shows a chemical reaction producing electricity.

The salt also completes the reactivity-series activity: a copper strip left in zinc sulfate solution stays unchanged, whereas zinc placed in copper sulfate soon turns coppery. For the zinc-ion test, sodium hydroxide or ammonia solution gives a white precipitate that redissolves in excess, and biology classes can use it when studying zinc as a plant micronutrient. Wear goggles, as the salt irritates the eyes, and collect used solutions because zinc compounds harm aquatic life.

Supplier

ScienceLab, the trading name of Jain Scientific Equipments Private Limited, is a lab chemicals supplier in India that sources Zinc Sulfate and sends each 200 g pack with its MSDS. Chemistry and physics departments building electrochemistry practicals can request the salt together with zinc plates, copper electrodes and copper sulfate, and dealers and importers in international markets can do the same. The ScienceLab profile describes the company.

Related Laboratory Equipment

Items for building a zinc and copper cell around this salt:

- Daniell Cell — the cell in which zinc sulfate forms the zinc half-cell

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