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

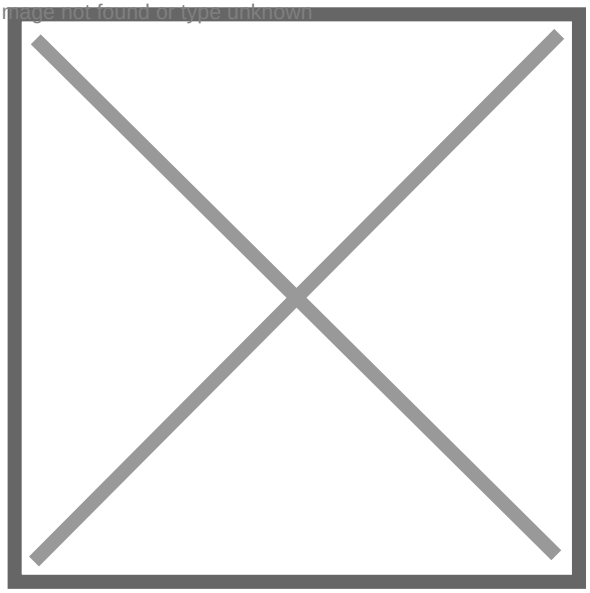
**Product Name :**

Tin-Grain (Granules)

**Product Code :**

SCI-567/246

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Science Lab
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## Description :

**Tin-Grain (Granules)** (Product Code: SCI-567/246) is granulated tin metal of analytical reagent grade, used for reactivity-series experiments and as the reducing metal with hydrochloric acid in college organic chemistry. The granular form gives a good surface for reaction while staying easy to weigh and handle, and it comes as a 100 g pack with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, to colleges and schools stocking a chemistry reagent cabinet.

### Specifications

| Parameter | Detail |
|---|---|
| Material | Tin, granulated |
| Grade | Analytical reagent |
| Pack size | 100 g |
| MSDS | Supplied with the pack |
| 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-567/246 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Are Tin Granules Used For?

Tin sits just above hydrogen in the reactivity series, so granules react only slowly with dilute hydrochloric acid, releasing a few bubbles of hydrogen, and more readily when the acid is warm or concentrated. A granule left in copper sulphate solution gradually gains a coating of copper, while tin in zinc sulphate solution shows no change. This pair of displacement tests fixes tin's position between zinc and copper.

In college organic practicals, tin and concentrated hydrochloric acid reduce nitrobenzene to aniline, the classic preparation of an aromatic amine; the tin is oxidised to tin chloride in the process. Tin granules themselves are relatively low-risk, but the acids and organic reagents used with them are not, so carry out the reduction in a fume cupboard. Keep the granules in a closed, labelled jar between sessions.

### Supplier

**Jain Scientific Equipments Private Limited** trades as ScienceLab and supplies Tin-Grain (Granules) from Ambala, Haryana, to colleges, schools and dealers. Nitrobenzene, hydrochloric acid and the other metals for reactivity comparisons can be quoted together. See the ScienceLab profile page for more about the company.

### Related Laboratory Equipment

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