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Product Name :

Mineral Test Kit

Product Code :

SLE/GG/19



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Description :

Mineral Test Kit (Product Code: SLE/GG/19) supplies students with the tools they need for rock, mineral and fossil identification, packed together in a zip-lock pouch for easy storage. The kit contains a penny, streak plate, hand lens, dropper bottle, glass plate, magnet, nail and hardness scale — everything needed to run the classic streak, scratch-hardness and magnetism tests on unknown samples. Geography and earth science teachers hand it to groups during identification practicals and field work, making it a practical science kit for students of all levels. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Purpose	Rock, mineral and fossil identification
Storage	Zip-lock pouch
Kit contents	Penny, streak plate, hand lens, dropper bottle, glass plate, magnet, nail and hardness scale

What each item is used for:

- Penny, nail and glass plate — everyday reference objects for scratch-hardness comparisons.
- Hardness scale — for ranking a sample once the scratch tests are done.
- Streak plate — for revealing the colour of a mineral’s powder.
- Hand lens — a hand lens magnifier for crystal shape, lustre, grain and fossil detail.
- Magnet — for checking whether a sample is magnetic.
- Dropper bottle — for applying a few drops of a teacher-approved test liquid.

Typical Use

A typical identification practical works through the tests in order. Students first look at the sample under the hand lens, then rub it across the streak plate to see the colour of its powder, which is often more reliable than the colour of the lump itself. Next they try to scratch it with the penny and the nail, and check whether it scratches the glass plate; the results let them place the sample on the hardness scale. A quick pass with the magnet picks out magnetic minerals such as magnetite, and the dropper bottle can be used, under supervision, for a fizz test on carbonate rocks.

Recording each result in a simple table and comparing it with a mineral identification chart turns the kit into a proper investigation rather than a guessing game. Handle the glass plate with care, wipe the streak plate clean between samples, and repack every item in the zip-lock pouch so the next group receives a complete kit.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab from Ambala in Haryana, manufactures this test kit as part of its geography and earth science teaching range. The comp
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