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Product Name :

Sieves

Product Code :

SLE/GG/10



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Description :

Sieves (Product Code: SLE/GG/10) is a set of 6 screen sieves with a bottom pan and lid, used to separate soil and rock samples into size fractions and grade them so students can work out the make-up of soil strata. Screen openings step down from 4 mm to 0.1 mm, giving a clear picture of how much coarse, medium and fine material a sample holds. Geography, earth science and environmental studies teachers use it for soil texture practicals and to follow up field trips. This piece of educational laboratory equipment in India is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Supplied as	Set of 6 sieves
Included with set	Bottom pan and lid
4 mm mesh	1 sieve
2 mm mesh	1 sieve
0.5 mm mesh	2 sieves
0.25 mm mesh	1 sieve
0.1 mm mesh	1 sieve
Purpose	Separating and grading soil and rock samples to determine the make-up of soil strata

Typical Use

For a particle-size practical, students dry a soil sample, gently break up any lumps and place it on the coarsest screen. The sieves are then used as a stack — 4 mm at the top, finer meshes below and the pan at the bottom — with the lid in place to stop fine dust escaping while the stack is shaken. Each screen holds back the particles too large to pass, so the material left on every level can be tipped out, weighed and recorded as a share of the whole sample.

Comparing results from topsoil, subsoil and a stream-bed or quarry sample shows learners why some ground drains quickly while other ground stays waterlogged, and how layers in a soil profile differ. The same set supports environmental science projects on erosion and sediment sorting. After each use, tap the screens clean and brush them lightly from the underside so fine particles do not clog the 0.1 mm mesh.

Manufacturer

The sieve set is produced by Jain Scientific Equipments Private Limited, the Ambala, Haryana company that trades as ScienceLab and makes educational laboratory equipment for schools, colleges and training institutes. Orders are prepared at the company's Ambala facility for customers across India and international markets. Our company profile gives more background on Sc

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