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Product Name :

Grid Sieves

Product Code :

SLE/AG/07



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Description :

Grid Sieves (Product Code: SLE/AG/07) are slotted bar sieves used to determine particle shape, namely the flakiness index and elongation of aggregates, in highway, concrete and quarry laboratories. Supplied as a set of 14 with slot widths from 50.0 mm down to 2.50 mm, they have aluminium frames and 5 mm stainless steel rods and are meant for hand sieving. They are made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM scientific laboratory apparatus and engineering lab equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Purpose	Determination of particle shape: flakiness index and elongation of aggregates
Frame	Aluminium
Grid	Stainless steel rods, 5 mm dia.
Slot widths	50.0, 40.0, 31.5, 25.0, 20.0, 16.0, 12.5, 10.0, 8.00, 6.30, 5.00, 4.00, 3.15 and 2.50 mm
Supplied as	Set of 14 pcs
Sieving method	Suitable only for hand sieving
Product code	SLE/AG/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Grid Sieve Set Used For?

The aggregate is first separated into size fractions on ordinary test sieves. Each fraction is then shaken by hand on the grid sieve whose slot width the test method assigns to it. Particles that pass through the slots are the flaky ones, and their combined mass as a percentage of the total gives the flakiness index. Elongation is assessed fraction by fraction in a similar way, so having all 14 slot widths in one set lets a single operator work through a complete grading without borrowing sieves.

Shake gently and let particles find the slots on their own; forcing stones through bends the rods and changes the slot width. Many labs buy the set together with a shape index caliper from the same scientific lab equipment manufacturer, so both shape tests are available on one bench. After use, brush trapped particles out along the slots and store the sieves flat.

OEM Manufacturer

These sieves come from Jain Scientific Equipments Private Limited, which trades as ScienceLab and is their OEM (original equipment manufacturer). The set is made at the company's own licens
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