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

Product Name :

Aggregate Crushing Value Apparatus.

Product Code :

SLE/AG/01



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Phone: +91-7082934803

Description :

Aggregate Crushing Value Apparatus (Product Code: SLE/AG/01) is a steel cylinder-and-plunger test set used to measure the relative resistance of coarse aggregate to crushing under a gradually applied compressive load in civil engineering laboratories. Polytechnics and highway labs use this engineering lab equipment to compare stone sources; its 150 mm cylinder takes a 148 mm plunger, with base plate, metal measure and tamping rod included. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM engineering lab equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Test purpose	Relative measure of the resistance of an aggregate to crushing under a gradually applied compressive load
Set consists of	Steel cylinder, plunger, base plate, cylindrical measure and tamping rod
Cylinder	M.S. cylindrical container, 150 mm ± 0.5 mm dia x 130 mm to 140mm high
Base plate	200 to 230 mm square x 6 mm thick
Plunger	148 mm ± 0.5 mm dia x 100 to 115 mm high
Metal measure	1 no., 115 ± 0.5 mm dia x 180 ± 0.5 mm high
Tamping rod	16 mm dia x 600 mm long, both ends rounded
Construction	All parts powder coated or galvanized steel, heat treated and ground before manufacturing for durability
Product code	SLE/AG/01
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Aggregate Crushing Value Apparatus Used For?

The metal measure is filled with prepared aggregate to fix the quantity used for each test. That aggregate is placed in the cylinder in layers, each compacted with the tamping rod, and the plunger is seated level on the surface. The assembly on its base plate goes into a compression testing machine and the load is applied steadily as your test method sets out. After unloading, the crushed material is sieved and the fines are weighed; fines as a percentage of the original sample mass give the crushing value, so a lower figure means a tougher aggregate.

Because the set is simple and robust, it is common lab equipment for technical institutes where students run the test in groups. Use the same measure and tamping routine for every sample so results can be compared, keep the cylinder bore and plunger face free of grit so the plunger does not bi

OEM

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