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Product Name :

Compaction Factor Test Apparatus

Product Code :

SLE/CE/08



Science Lab
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Description :

Compaction Factor Test Apparatus (Product Code: SLE/CE/08) is a concrete workability test set used to compare how densely fresh concrete packs under its own weight with how it packs when fully compacted, in civil engineering laboratories and site labs. It is particularly suited to low-workability mixes, and the listed set includes trowels, a 15.2 cm hand scoop, a 1.6 cm x 61 cmrod rounded at one end and a balance. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM supplier of engineering educational equipments in India, at its ownfactory in Ambala.

Specifications

Parameter	Detail
Trowels	Included in the listed set
Hand scoop	15.2 cm long
Rod	Steel or other suitable material, 1.6 cm diameter, 61 cm long, rounded at one end
Balance	Included in the listed set, for weighing the concrete
Scope of supply	Confirm the complete scope, including the main test assembly, in your quotation
Product code	SLE/CE/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Compaction Factor Apparatus Used For?

Stiff concrete for pavements, precast units or heavily vibrated sections often shows almost no slump, so the slump cone cannot tell one mix from another. The compaction factor test solves this by letting the concrete fall under gravity into a container, weighing it, and then weighing the same container filled with fully compacted concrete. The ratio of the two weights is the compaction factor: the closer it is to one, the more workable the mix.

The hand scoop loads the concrete, the trowels strike off the surplus level with the container rim, the rod compacts the concrete for the full-compaction reading, and the balance provides both weights. Keep all surfaces clean and damp but free of standing water, and complete each test promptly so the concrete does not stiffen between steps.

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the OEM (original equipment manufacturer) of this compaction factor test apparatus. It is produced at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied factory-direct to engineering colleges, polytechnics, construction laboratories, dealers and importers rather than throu

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