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Product Name :

Centrifuge Extractor Hand Operated

Product Code :

SLE/CE/85



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Description :

Centrifuge Extractor Hand Operated (Product Code: SLE/CE/85) is a manually driven bitumen extractor used to determine and check the bitumen percentage in bituminous mixes in road site laboratories and civil engineering teaching labs. A handle turns enclosed gears in its cast body to spin a removable 1500 g aluminium rotor bowl, and solvent can be added mid-test through holes in the housing cap. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and technical educational equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Purpose	Determination and checking of bitumen percentage in bituminous mix
Principle	Mix is treated with solvent and the dissolved bitumen is removed by centrifugal action
Drive	Hand operated; a handle turns enclosed gears in the cast body to rotate the shaft and bowl fast
Bowl	Removable aluminium rotor bowl, capacity 1500 g, with cap and tightening nut
Mounting	Bowl assembly on a vertical shaft protruding from a cast housing
Solvent addition	Through holes in the cap of the housing, during the test
Drain	Collects the dissolved bitumen thrown from the rotating bowl into the housing
Power	Manual — no electrical supply needed
Product code	SLE/CE/85
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Hand-Operated Centrifuge Extractor Used For?

Site laboratories near a hot-mix plant often need a quick binder content check where electricity is limited. The operator weighs the loose mix into the aluminium bowl, pours in solvent, fits the cap and tightening nut and turns the handle. The enclosed gears spin the bowl fast, throwing out solvent that carries the dissolved bitumen; it collects in the housing and leaves through the drain.

Fresh solvent is added through the holes in the housing cap while the bowl keeps turning, until the liquid coming out runs clear. The aggregate left in the bowl is then dried and weighed, and the loss in mass gives the bitumen percentage. Tighten the nut firmly before spinning, turn the handle at a steady pace, work in a well-ventilated space and wipe the bowl and housing clean after each test.

OEM Manufacturer

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