Email : sales@scilabexport.com
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**Product Name :**

Cylindrical Measures

**Product Code :**

SLE/CE/99



Science Lab

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# Description :

**Cylindrical Measures** (Product Code: SLE/CE/99) are calibrated sheet-iron containers of known volume used to determine the bulk density, or unit weight, of fine and coarse aggregates in civil engineering and concrete technology laboratories. Engineering colleges, ready-mix and site labs pick a size to suit the aggregate, choosing from capacities of 3, 5, 7, 10, 15, 20 and 30 litres,each with carrying handles. They are made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

## Specifications

| Parameter | Detail |
|---|---|
| Purpose | Determination of bulk density (unit weight) of aggregates |
| Construction | Calibrated cylindrical measures of sheet iron with handles |
| Capacities available | 3, 5, 7, 10, 15, 20 and 30 litres |
| Supplied with | One tamping rod, 16 mm diameter × 600 mm long |
| Product code | SLE/CE/99 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

## What Are Cylindrical Measures Used For?

Bulk density tells a mix designer how much aggregate by mass fills a given volume, which is needed to convert between mass and volume batching and to estimate the voids that cement paste must fill. The empty measure is weighed, filled with aggregate either loosely or in layers compacted with the 16 mm tamping rod, struck off level with the rim, and weighed again. Dividing the aggregate mass by the known capacity gives the bulk density.

Larger measures are chosen for coarser aggregate so that the sample represents the material fairly, which is why the range runs from 3 up to 30 litres. Keep the measures dry and dent-free, since damage changes their volume. A full set is practical equipment for laboratories in technical institutes that teach concrete mix design.

## What to Specify When Ordering

- Which capacities you need: 3, 5, 7, 10, 15, 20 or 30 litres
- Quantity of each capacity
- Any extra 16 mm × 600 mm tamping rods beyond the one supplied

## OEM Manufacturer

Cylindrical Measures in this range are manufactured by Jain Scientific Equipments Private Limited under its ScienceLab brand, as the OEM. The sheet-iron measures and their handles are fabricated at the company's own licensed factory at Saha, Ambala, Haryana, India.

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