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

Product Name :

Density Basket

Product Code :

SLE/CE/100



Science Lab
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Phone: +91-7082934803

Description :

Density Basket (Product Code: SLE/CE/100) is a wire-mesh basket used to hold coarse aggregate while it is weighed under water for specific gravity, density and water absorption testsin civil engineering laboratories. Materials labs and engineering colleges hang it from a buoyancy balance; it is built in brass or GI with 6.3 mm or 4.75 mm stainless steel wire mesh, about 203mm across and high. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Frame material	Brass or GI, ruggedly constructed
Mesh	Stainless steel wire mesh, 6.3 mm or 4.75 mm size
Construction	Reinforced No. 8 wire mesh
Size	Approx. 20 cm diameter × 20 cm high (8 in × 8 in, 203 × 203 mm)
Handle	Bail-type handle
Net weight	2 lb (0.91 kg)
Product code	SLE/CE/100
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Density Basket Used For?

To find the specific gravity and water absorption of coarse aggregate, a soaked sample is placed in the basket, lowered into water and weighed while fully immersed. The same sample is then surface-dried and weighed in air, and finally oven-dried and weighed again. From these three weights the laboratory calculates particle density, specific gravity and the percentage of water the aggregate absorbs, all of which feed into concrete mix design.

The bail-type handle lets the basket hang freely from the balance hook so it does not touch the sides of the water tank. Choose the 4.75 mm mesh when finer coarse particles must be retained, shake off trapped air before weighing, and rinse the basket after use. It suits engineering lab equipment set-ups in colleges and polytechnics that teach aggregate testing.

What to Specify When Ordering

- Frame material: brass or GI
- Mesh size: 6.3 mm or 4.75 mm stainless steel wire mesh
- Number of baskets required
- Whether a buoyancy balance and water tank are also needed

OEM Manufacturer

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factor