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Product Name :

Specific Gravity And Water Absorption of Aggregates

Product Code :

SLE/AG/11



Description :

Specific Gravity And Water Absorption of Aggregates (Product Code: SLE/AG/11) is a buoyancy balance system used to weigh aggregate in air and in water to calculate specific gravity and water absorption in concrete and highway laboratories. This engineering lab equipment pairs a rigid frame and water tank, raised by a mechanical lifting device, with a 6000 g x 0.1 g balance. The frame-and-tank system is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM technical educational equipment manufacturer, at its own factory in Ambala, India, and supplied with the balance.

Specifications

Parameter	Detail
System	Buoyancy balance system
Frame	Rigid support frame incorporating a water tank mounted on a platform
Tank movement	Mechanical lifting device raises the water tank through the frame height, immersing the specimen suspended below the balance
Balance	6000 g x 0.1 g; may also be used as a standard weighing device
Supplied with	Frame, water tank and suspension hook
Product code	SLE/AG/11
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Specific Gravity and Water Absorption Set Used For?

After soaking as the test method requires, the aggregate is placed in a suitable container hung from the suspension hook beneath the balance. Operating the mechanical lifting device raises the water tank until the specimen is fully immersed, and the weight in water is read without lifting the sample by hand. The tank is lowered, the aggregate is surface-dried and weighed in air, then oven-dried and weighed again. From these three masses the laboratory calculates the specific gravity and the percentage of water absorbed.

Because the lifting device moves the water rather than the specimen, readings are steadier and spills fewer than with a bucket held by hand. As lab equipment for technical institutes the set is also versatile, since the balance can serve as an ordinary weighing device when the frame is not in use. Fill the tank with clean water before each session, and drain and dry it at the end of the day.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM (original equipment manufacturer) of this buoyancy balance system, which is built at its own licensed factory at Saha, Ambala, Haryana, India, and supplied complete with the 6000 g x 0.1 g balance. For in N is 06AA factor a