Email : sales@scilabexport.com
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Product Name :

Specific Gravity Bottles

Product Code :

SLE/CE/78



Science Lab
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Description :

Specific Gravity Bottles (Product Code: SLE/CE/78) are borosilicate glass density bottles used to determine the density and specific gravity of liquid samples in civil engineering, chemistry and materials laboratories. Offered in 10 mL and 25 mL (approx.) capacities, each has a capillary stopper seated in a ground 10/18 standard taper joint that reduces evaporation. They are madeby **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factoryin Ambala, India.

Specifications

Parameter	Detail
Purpose	Determining the density of liquid samples
Glass	Borosilicate
Capacities	10 mL and 25 mL (approx.)
Stopper	Capillary stopper
Joint	Ground standard taper joint, 10/18 on both sizes, to reduce evaporation
Volume adjustment	Unadjusted (not adjusted to an exact nominal volume)
Product code	SLE/CE/78
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Specific Gravity Bottle Used For?

The bottle is weighed empty, then filled with distilled water, then with the test liquid, and the capillary stopper is pushed home each time so that surplus liquid escapes through the capillary. Every fill therefore holds the same volume, and the ratio of the liquid mass to the water mass gives its specific gravity. Because the bottles are unadjusted, each one is first calibrated by weighing it full of water at a known temperature.

Students use the method to compare liquids such as oils, solutions and liquid admixtures, and to see why temperature control matters in density work. Handle the bottle by the neck to avoid warming it, wipe the outside dry before weighing and keep each stopper with the bottle it was calibrated with. As borosilicate laboratory glassware in India, the bottles stand up well to routine washing and drying.

What to Specify When Ordering

- Capacity: 10 mL or 25 mL (approx.), or both
- Number of bottles of each capacity, for example one per student group
- Whether spare bottles for breakage should be included in the same quotation

OEM Manufacturer

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