

Density (Specific Gravity) Cups

The Density of a coating should remain constant from batch to batch. Also known as Density (Specific Gravity) Cups. Specific Gravity Cups are used to determine the specific weight per unit volume of a liquid at a given temperature.

A stainless steel precision instrument for determining the specific weight of paints and similar products. A tolerance of 0.1% is guaranteed. Testing is carried out in accordance with ISO at $23 \pm 2^\circ\text{C}$.

This instrument consists of a cylindrical container and cover with a hole for exhaust of excess liquid for any excess Paint (or Ink) to be removed when the cup cover is pressing tightly. By doing so, will also ensure that no air bubbles (or pockets of air) are being trapped.

It is in according with DIN 53217, ISO 2811, BS 3900 A19. And each density cup comes with Calibration Certificate.

Order information	Capacity	Unit	Material
BGD 296/1	37cc/ml	Metric	Stainless steel
BGD 296/3	50cc/ml	Metric	Stainless steel
BGD 296/5	100cc/ml	Metric	Stainless steel



Procedure

- Weight cleaned density cup empty and record weight
- Temper density cup and test liquid ($20^\circ\text{C} \pm 0.5^\circ\text{C}$; $68^\circ\text{F} \pm 1.0^\circ\text{F}$)
- Fill density cup
- Put cover on without tilting
- Avoid air bubbles
- Remove overflowing liquid carefully with absorbent cloth
- Weight filled density cup
- calculate density