

Required apparatus

- Electronic analytical balance, accurate to, at least, 0.01 g.



Sampling

The samples for analysis should be obtained using a 20x25cm cutter and the test should be conducted as soon as possible, to avoid exposing the sample to extreme environmental conditions.

Description

- Place the balance on a firm and even surface. If possible, select the scale to use, at a minimum of 0.01 g. Verify the weighing container is free of impurities and that "zero" is the displayed value. In case that is not the shown value, press the tare button to reset the display to zero.
- Weigh the specimen to the nearest 0.01 g, make a record of its weight (wet weight).
- Paper grammage is determined by means of the following calculation:

$$\text{Specimen grammage (in gr/m}^2\text{)} = \frac{\text{Specimen grammage (in grams)}}{\text{Specimen surface (in m}^2\text{)}}$$

- For practical purposes, since the specimen has an area of 100 cm² (0.01 m²), the grammage of the sample will be equivalent to:

$$\text{Specimen grammage (in g/m}^2\text{)} = \text{Specimen weight (in grams)} * 100$$

- The value is obtained to the nearest $\pm 1 \text{ g/m}^2$.