



PAPER TESTING ASSOCIATION

PAPER Testing Equipment



SEMIAUTOMATIC COBB WATER AND OIL ABSORPTION TESTER ACT

Code. 090119

To determine the water and oil absorption capacity of paper

Standard : ISO 535, TAPPI T441, EN 20535, BS EN 20535, DIN 53 132, SCAN P12



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OpTest Equipment Inc.

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CHARACTERISTICS :

- Unger type Cobb equipment.
- Sample test area 100 cm².
- Valid for water and oil.
- Timer with automatic start and pre-notice and end of test alarms (batteries included).
- The cylinder vessel can be turned over for a better immersion of the sample.
- Manufactured under standard specifications.
- Integrated pressure roll with a mass of 10 ± 0,5 Kg, standard specification.
- Glass made vessel bottom for a better observation of the liquid absorption.
- Robust construction in stainless steel.
- Cutting template and pad to facilitate the samples preparation (included in standard supply).
- CE mark.

TEST DESCRIPTION :

The Cobb equipment allows to measure the liquid amount that penetrates in a paper sheet. It is the calculus of the weight of the absorbed liquid in a specified time per 1 m² of paper.

Pour 100 ml of liquid in the cylinder vessel. Weight the dry sample (adjusting to the nearest milligram) and place it, with the face to be tested, in contact with the perimeter of the vessel.

Turn the vessel 180° by means of the lever. The timer will activate automatically. The liquid contained inner the cylinder will be now in contact with the sample.

When the sound alarm is active, means that the programmed time for pre-notice has expired.

Return the vessel to its initial position.

Open the vessel cover, remove the tested wet sample and place it, with its wet face upwards, on a bottling paper. This bottling paper must be previously positioned on the movable support-basis

Once expired the determined time since the beginning of the test (see times according to applied standard), place a second bottling paper over the sample. Eliminate the exceed of liquid from the sample by passing the 10 Kg roller twice (one time forward and another time backward) over it. Be careful not to apply an additional pressure to the roller when passing over the sample.

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Afterward, fold the sample, with the wet side to the interior part, and weight it again. Therefore, it will be possible to calculate, in grams per meter square, the increment in mass that has suffered the sample due to the liquid absorption.



Besides of the Cobb equipment, to carry out a complete Cobb test, it is necessary to have blotting papers from 200 a 250g/m² and an analitic scale with an accuracy of 0,001 g.

WEIGHT AND DIMENSIONS (ONLY EQUIPMENT):

430 x 380 x 270 mm (WxLxH) / 20 Kg

WEIGHT AND DIMENSIONS WITH PACKING BOX :

580 x 450 x 380 mm (WxLxH) / 30 K

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