PACKAGES CONVERTORS LIMITED BU-FC	Document type Work Instruction Title EDGE WICK TESTING.

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1.0 SCOPE:

This test method describes the procedure to measure the Edgewick of the sample of board.

2.0 REFERENCE:

2.1 TP 84010.(Raw material test method I 006)

3.0 DEFINITIONS:

The amount of test solution absorbed by the edges of the test piece under the specified testing conditions.

4.0 EQUIPMENT:

4.1 Electric Balance.
4.2 Stop Watch.
4.3 Water Bath.
4.4 Template
4.5 Cutter.
4.6 Water Resistant Tape.
4.7 Blotting Paper board.
4.8 Solid Brass Roller.

5.0 TEST PROCEDURE:

5.1 Take the sample and apply water resistant tape on both sides.
5.2 Cut test piece with the help of template (5x20)cm^2 from tapped sample.
5.3 Weigh the test piece to the nearest 0.001 gram and take it as "A".
5.4 Dip the test piece in the 1% lactic acid solution (temp. 23 ± 1^0C).
5.5 Remove it after 60 ± 2 minutes.
5.6 Place the test piece between two blotting papers and move the hand roller once back and once forward.
5.7 Reweigh the test piece and take it as "B".
5.8 Now, the Edgewick is calculated as follows:-

$$\text{Edgewick (Kg/m}^2) = \frac{2(B-A)X1000}{C}$$

Where C = Caliper (thickness) in microns.

6.0 RESPONSIBILITY:

QA Supervisor
Lab Assistant