



SAHARANPUR TESTING INSTRUMENTS PVT LTD

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue, Packaging, Converting & General Testing Instrument for Laboratory

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Shive Content Analyzer (Sommerville Type)



Usage : For determination of the shive content in pulp .

Standardization : TAPPI T275 ,

Device Description : the Somerville shive content analyzer is built upon a robust stainless steel frame , which holds the membrane chamber and the container. The control box can be mounted on a wall . the wash chamber and container are separated by an exchangeable slot plate . the attached overflow container regulates the water level in the container. The slot plate can be easily removed due to fasteners.

Test Description : Place the slot plate between wash chamber and the container . pressing the start button initiates the process and the water will be sprayed through the ring plate onto the slot plate. Once the water reached the 25mm mark , the sample is added. The motor will start moving the rubber plate as soon as the water will reach the overflow container. Hence the rubber plate will create suction and sucks fibers and pieces through the opening of the slot plate that are smaller than the slot width. After draining the water , the remaining fibers and shives on the screen can be used for calculating the shive content.

Specifications :

S.No:	Technical Specifications	Descriptions
1	dimension	68.5cm x 87.0cm x 135.0cm
2	Screen Slits	Length 45mm. width 0.15mm ± .05
3	Number of Slits	404 in 4 row
4	Motor Driven neoprene diaphragm	3.2 ± 0.1 mm by eccentric drive at a speed of 690-700 rpm.
5.	Calibrated high pressure water jet	Disperse the pulp and maintain the controlled flow of water supply .
6.	Water flow rate	Water flow rate controlled through a calibrated flushing nozzles located in a centre of the screen with the flow rate of 8.6 liter/min. at 1.23kg/cm ²
7	Drain and control valve	Water over flow is maintained
8	Control panel	Motorized unit is fitted
9	Rectangular brass screen plate	Size 305x254mm
10	Sealing gasket	Provided
11	Applicable standards	Tappi T275