



केन्द्रीय लुग्दी एवं कागज अनुसंधान संस्थान
Central Pulp & Paper Research Institute

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Ministry of Commerce & Industry, Govt. of India
(Registered under Societies Act)

CPPRI/ SPPM Div/2022-23/R-125

27.01.2023

TEST REPORT

Sample received from:	CHEMLINE INDIA LIMITED, POST BIGHAN, DHATURI, Sonipat, Haryana, 131039
Ref. No. & Date:	Email dated 19.12.2022
Sample Detail:	Sample 1 (Heat sealable and Barrier Coated paper for cup stock coated with AQUA COAT-WPC-4502)
Testing Required:	Repulpability test of Sample 1 (Heat sealable and Barrier Coated paper for cup stock coated with AQUA COAT-WPC-4502)

Procedure:

For repulpability test, 50 gm (O.D. basis) of sample 1 (AQUA COAT-WPC-4502) was torn into pieces and disintegrated in Laboratory Pulp Disintegrator. 5 sets of experiments were conducted to ensure the repeatability. The conditions maintained during disintegration are as follows:

Parameters	Conditions
Consistency (Cy), %	2.5
Temp, °C	Ambient
Slushing time, min.	10
RPM	3000

The pulp thus obtained was passed through sommerville vibratory screen having 0.15 mm slot and was tested for fibre yield and reject content. The results are summarized below:

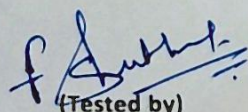
Result:

Recovered Fibre Yield (%)	Reject (%)	Other losses (Fines & fillers) %
90-91	1.5	7.5-8.5

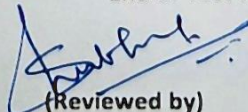
Remarks:

- No chemical has been used during experiment.
- The maximum achievable fibre recovery is around **91%** at 2.5% consistency.
- The reject content in sample 1 (AQUA COAT-WPC-4502) is 1.5 %, which is mainly coating material .
- Sample 1 (AQUA COAT-WPC-4502) is easily repulpable.
- Hansheets made of screened pulp are clean.

End of Test Report


(Tested by)

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