



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

An autonomous organisation under the administrative control of
Ministry of Commerce & Industry, Govt. of India
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CPPRI/ SPPM Div/2024-25/R-18

TEST REPORT

Sample received from:	Evergreen Sustainable Solutions Pvt. Ltd. Plot No. 15, HSIIDC Industrial Estate, Manakpur, Dist. Yamunanagar, Haryana-135003.
Ref. No. & Date:	Email dated 28.02.2024
Sample Detail:	Water based barrier coated paper
Testing Required:	Repulpability test of Water based barrier coated paper

Procedure:

For repulpability test, the Water based barrier coated paper Sample was slushed in hydropulper. Two approaches were undertaken for repulping based on pulper types used by mills i.e. low consistency repulping and high consistency repulping. The conditions maintained during evaluation are as follows:

Parameters	Low Consistency Repulping	High Consistency Repulping
Consistency (Cy), %	5	12
Temp, °C	Ambient	Ambient
Slushing time, min.	30	30

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:

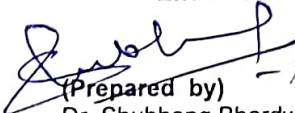
Consistency (%)	Recovered Fibre Yield (%)	Reject (%)	Other losses (Fines & fillers) %
5	76-78	8-10	14
12	82-84	2-4	14


Remarks:

- No chemical has been used during repulping.
- Repulping has been done at ambient temperature and under standard condition practiced by mills.
- The maximum achievable fibre recovery is around 84% at 12% consistency.
- The reject content in Water based barrier coated paper Sample is only 4%, which is mainly unslushed paper along with coated material that cannot be recycled back to the system.
- Handsheets made of screened pulp is clean.

End of Test Report


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