



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
(Registered under Societies Act) 31.05.2019

CPPRI/ SPPM Div/2019-20/R-12

TEST REPORT

Sample received from:	ITC LIMITED PAPERBOARDS & SPECIALTY PAPERS DIVISION, 106, Sardar Patel Road, ITC Bhadrachalam House, Secunderabad, Telangana
Ref. No. & Date:	Email Dated 18.04.2019
Sample Detail:	ITC INDOBASE - CUPSTOCK F&B (WBC) / FILOBEV
Testing Required:	Repulpability Test

Procedure:

For repulpability test, the ITC INDOBASE - CUPSTOCK F&B (WBC) sample was slushed in hydrapulper. 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:

Cy. (%)	Recovered Fibre Yield (%)	Reject (Unslushed Paper) %	Other losses (Fines & fillers) %
5	91-95.7	2.8-3.5	1.5-5.5
12	97-98.5	0.2-0.25	1.3-2.75

Remarks:

- The maximum achievable fibre recovery is around 98.5%.
- The reject content i.e. unslushed paper in ITC INDOBASE - CUPSTOCK F&B (WBC) sample is around 0.2%, which can be recycled back to the system.
- High consistency repulping i.e. 10-12% is recommended to obtain higher fibre recovery.
- Hansheet formation of screened pulp is good. Handsheet of 100 gsm is enclosed.

R. Tandon
3.6.19
(Rita Tandon)

Scientist-G & Head
PCPB and SPPM Division

Post Box No. 174, PAPER MILL ROAD, HIMMAT NAGAR, SAHARANPUR 247001 (U.P.) INDIA
Tel. Direct (0132) 2714050, Tel. EPABX (0132) 2714053, 2714061, 2714062
Cable : CEPPRI, Saharanpur, Fax (0132) 2714052, website : www.cppri.org.in
Email : director.cppri@gmail.com, director@cppri.org.in, info@cppri.org.in

BASE OFFICE

A-55, 3rd Floor, Gujranwala Town, Part-1, Near Vinayak Hospital, Delhi-110 009
Phone - (011)-49027213, 9910909169