



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 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:

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

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BASE OFFICE

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**सिपेट : पेट्रोकेमिकल्स तकनीकी
संस्थान (आईपीटी)**

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CIPET सिपेट
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**CIPET : INSTITUTE OF PETROCHEMICALS
TECHNOLOGY (IPT)**

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Website : www.cipet.gov.in

संदर्भ/Ref: परीक्षण/TR/ 22122738

दिनांक/Date: 29-12-2022

प्रति /To,

Reflect Ventures

#49, RK Centre, KB Dasan Road, Teynampet, Chennai - 600 018

विषय/Sub : Testing of samples-reg.

संदर्भ/Ref : Your letter no. --

Dated: 15-12-2022

महोदय,

कृपया हमारी परीक्षण रिपोर्ट क्रमांक प्राप्त करें। Please find enclosed herewith our Test Report no.	71866	दिनांक dated	29-12-2022
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धन्यवाद,

भवदीय

प्रबंधक (परीक्षण)

संलग्न : उपर्युक्तानुसार

Encl:1.a/a.

Remarks:

2. Invoice no. 2297

Dt. 02-01-23

मुख्यालय : सिपेट, गिण्डी, चेन्नै - 600 032. **Head Office :** CIPET, Guindy, Chennai - 600 032.

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगरतला, बदी, बालासोर, बेंगलुरु, भोपाल, भुवनेश्वर, चन्द्रपुर, चेन्नई, देहरादून, गुरुग्राम, गुवाहाटी, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्चि, कोरबा, लखनऊ, मदुरै, मुरथल, मैसूरु, रायपुर, राँची, वलसाड, वाराणसी एवं विजयवाड़ा

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पेट्रोकेमिकल्स तकनीकी संस्थान

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को जारी /
Issued to :

Reflect Ventures

#49, RK Centre, KB Dasan Road, Teynampet,
Chennai - 600 018

परीक्षण रिपोर्ट / TEST REPORT

क्र.सं / SI. No. **31084**

रिपोर्ट सं / REPORT NO. **:71866**

दिनांक / Date : **29-12-2022**



संदर्भ / Customer Let. Ref : --

15-12-2022 Pages 02 Nos. Part A,B,C & D

परीक्षण मानक स्तर के अनुसार परीक्षण रिपोर्ट / TEST REPORT AS PER TEST STANDARD : Refer Part C

भाग - क / PART - A

प्रस्तुत सैंपिल का विवरण / PARTICULARS OF SAMPLE SUBMITTED

- अ) सैंपिल का नाम / a) Name of the Sample : 240ml Paper Cups - as stated by the party
- आ) सैंपिल प्राप्त होने की तारीख / b) Date of Receipt of sample : 15-12-2022
- इ) ग्रेड/प्रकार/आकार/वर्ग / c) Grade / variety / type / size / class : Nil
- ई) घोषित मूल्य / d) Declared value, If any : Nil
- उ) कोड सं. / e) Code No. : Nil
- ऊ) बैच सं. एवं निर्माण तारीख / f) Batch No. and Date of Manufacture: Nil
- ऋ) मात्रा / g) Quantity : 01 Sample (7 Nos.)
- ए) पैकिंग की रीति / h) Mode of Packing : polythene bag
- ऐ) मोहर बंद या नहीं / i) Sealed or not : Not Sealed
- ओ) कोई अन्य सूचना / j) Any other information : --

22122738

भाग - ख / PART - B

अनुपूरक सूचनाएँ / SUPPLEMENTARY INFORMATIONS

- अ) सैंपिलिंग कार्यवाहियों हेतु संदर्भ / a) Reference to sampling procedure : Sampling not done by this lab
- आ) माप करने हेतु लिए गए सहायक दस्तावेज एवं प्राप्त परिणाम
- ब) Supporting documents for the measurement taken and result derived : As given in Part C
- इ) संबंधित कार्य अनुदेशों में निर्धारित के अनुसार परीक्षण रीति से कोई परिवर्तन
- c) Deviation from the test method as prescribed in relevant work instructions, if any : No deviation from the standard

[Signature]

[Signature]

केंद्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान

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परीक्षण रिपोर्ट / TEST REPORT

रिपोर्ट सं / REPORT NO. : 71866
29-12-2022

क्र.सं / Sl. No. 31084

दिनांक / Date :

Test Duration: 15-12-2022 To 29-12-2022

भाग - ग / PART - C



परीक्षण परिणाम / TEST RESULTS

S.no.	Test Name	Test Method / Standard	Unit	Test Value Obtained
1	Overall Migration in distilled water at 40°C for 10 days	IS 9845:1998	mg/litre	12.3

Part-D

REMARKS

1. This Test report/Certificate is issued only for the samples submitted to CIPET
2. The Results stated above related only to the items tested.
3. The Quality of the subsequent production lot has to be ensured by the purchaser.
4. This report, in full or part, shall not be reproduced, published, advertised, used for any legal action, Unless prior permission has been secured.
5. Selection of samples for individual test has been done in accordance with respective clauses of IS.
6. Details of test sub-contracted: Nil

End Of Report