



Test Report

Voluntary Standard For Repulping and Recycling Coated or Treated Corrugated Fiberboard and its Equivalents in the Old Corrugated Containers (OCC) Recycling Stream

Revised March 31, 2025



**American
Forest & Paper
Association**



FIBRE BOX ASSOCIATION®

REPORT RESULTS: REPULPABILITY PROCESS (PART I)

Completed by lab

Note: To be completed by Lab Manager actively involved in the test process.

Trial No.: _____

Date Run: ___ / ___ / ___

	Set #1:	Set #2:	Set #3 (if required)
Is sample representative of the material as a whole?	Y/N	Y/N	Y/N
STARTING SAMPLE:			
Moisture Content	_____%	_____%	_____%
Temperature Range (°F)	_____	_____	_____
Amount of Fiber in Charge (0.0g)	_____	_____	_____
Temp & pH Maintained	Y/N	Y/N	Y/N
Hot Slurry Charged To Flat Screen, as Instructed	Y/N	Y/N	Y/N
FINISHED SAMPLE:			
Oven Dry Mass	_____	_____	_____
Amount of Fiber Accepted	_____	_____	_____
% Fiber Yield of Sample	_____	_____	_____
% Rejects of Sample	_____	_____	_____
Observe and note deposition on vessel walls, screens, moving parts, etc.			
Deposition Observed? If yes, detail below.	Y/N	Y/N	Y/N

SUMMARY	Operational Impact:	pass/fail	pass/fail	pass/fail
	Fiber Yield:	pass/fail	pass/fail	pass/fail
	Percent Rejects:	pass/fail	pass/fail	pass/fail

Notes, details:

TEST REPORT: RECYCLABILITY PROCESS (PART 2)

Completed by lab

Trial No.: _____

Date Run: ____ / ____ / ____

	Recyclability Test Sample:	Control:
Is sample representative of the lot as a whole?		Y/N
Moisture Content:		_____% (calculated)
Pulping at Consistency Recommended by the Pulping Equipment Manufacturer:	Y/N	Y/N
20/80% Charge by Wt.	Y/N	
- If greater than 20/80% ratio used, specify here:	_____	
Temp & pH Conditions Maintained, per App. B, #3	Y/N	Y/N
No. of Batches Required	_____	_____
0.0625" Screens or .024" Slots:		
1% (note if different) Consistency, Temp & pH, per App. B, #5	Y/N	Y/N
10% Volumetric Reject Rate	Y/N	Y/N
0.010" (± 0.001") Slot Basket:		
Temp, pH & Reject Rate, per App B, #6	Y/N	Y/N
Flow-through Cleaners:		
Temp & Pressure Differential, per App B, #7	Y/N	Y/N
Determine Volumetric Reject Rate	_____	_____
Was it necessary to stop the test to clean any apparatus at any time during this procedure?	Y/N	Y/N
Deposition observed? If yes, detail below.	Y/N	Y/N
Were the required Temp & pH maintained throughout the entire protocol?	Y/N	Y/N

Notes, details:

TEST REPORT: HANDSHEET FORMATION AND PRODUCT PERFORMANCE

Completed by lab

Trial No.: _____ Date Run: ____ / ____ / ____

Was TAPPI T-205 used to form the Handsheets, per App. B, #8?
(Initials)

Yes/No _____

Product Performance

Control

Recyclability Test Sample

1. Slide Angle T-815 (Note: Test blotter side to blotter side.)

Handsheet #	Test Data	Handsheet #	Test Data
_____	_____ °	_____	_____ °
_____	_____ °	_____	_____ °
_____	_____ °	_____	_____ °
_____	_____ °	_____	_____ °
_____	_____ °	_____	_____ °

$X_C =$ _____ °

$X_R =$ _____ °

Is $X_R \geq 0.85 X_C$?

Yes/No _____ (Initials)

2. Water-Drop Penetration T-831 (Note: Test 5 drops each on the wire side and on the blotter side.)

Handsheet #	Test Data	Handsheet #	Test Data
_____	_____ sec	_____	_____ sec
_____	_____ sec	_____	_____ sec
_____	_____ sec	_____	_____ sec
_____	_____ sec	_____	_____ sec
_____	_____ sec	_____	_____ sec

$X_C =$ _____ sec

$X_R =$ _____ sec

Is $X_R \geq X_C + 200$?

Yes/No _____ (Initials)

TEST REPORT: PRODUCT PERFORMANCE (CONTINUED)

Completed by lab

Trial No.: _____

Date Run: __ / __ / __

Product Performance

Control

Recyclability Test Sample

3. Short Span Compression (STFI) T-826

Handsheet #	Basis Wt.	STFI Value	Indexed Value	Handsheet #	Basis Wt.	STFI Value	Indexed Value
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

X_C = _____

X_R = _____

* Is the indexed STFI of the treated recyclability test sample no more than 10% lower than that of the control (untreated) test sample?

Yes/No _____ (Initials)

Notes, details:

TEST REPORT: PRODUCT PERFORMANCE (CONTINUED)

Completed by lab

Trial No.: _____

Date Run: ____ / ____ / ____

Product Performance

Control

Recyclability Test Sample

Burst Strength T-403

Handsheet #	Basis Wt.	Burst Value	Indexed Value	Handsheet #	Basis Wt.	Burst Value	Indexed Value
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

$X_C =$ _____

$X_R =$ _____

* Is the indexed burst of the treated recyclability test sample no more than 10% lower than that of the untreated control test sample?

Yes/No _____ (Initials)

Notes, details:

Product Appearance

STICKIES/SPOT COUNT TEST VALUES AVERAGE COUNT FOR 3 SHEETS

Material	Trial #1	Trial #2	Trial #3
_____	_____	_____	_____
_____	_____	_____	_____

Is the spot count ≤ 15 , or, no more than 30% greater than that of the control?

Yes/No _____ (Initials)

PASS/FAIL SUMMARY

Completed by lab

1. Substrate, samples, specimens appropriate?
coated/treated and control (pass/fail)
2. % Fiber Yield $\geq$ 60%?
3. % Rejects $\leq$ 20%?
(pass/fail)
4. Operational Impact acceptable?
(pass/fail)
5. Product Performance acceptable?
(pass/fail)
6. Product Appearance/Spot Count Acceptable?
(Pass/Fail)

Trial #1	Trial #2	*Trial #3
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Overall Pass / Fail - by trial:

MATERIAL AS SUBMITTED "PASSES" VOLUNTARY STANDARD.

(Write pass or fail): _____ Signed: _____ Date: _____ / ____ / ____

Name: _____

Name of Lab: _____

TEST REPORT (CONTINUED)

Completed by lab

Affirmation:

The facilities and equipment in this certified lab (see Appendix E) are suitable for testing the tendered product within the instructions and tolerances of the current Voluntary Standard.

Personnel running and reporting these tests are competent and trained to accurately do so. They have followed the letter and spirit of the subject voluntary standard.

Objective and subjective information, as contained herein, is accurate.

Signed: _____ Lab Manager

_____ Name

_____ Title

_____ Name of Lab

_____ Phone

_____ / _____ / _____ Date

Instructions if material "passes":

Testing Lab Manager:

- Make two (2) photocopies of the entire Report Document for a total of three (3), sets of documents. An original signature is required on this page (22) of each set of Report Documents.
- Prepare three (3) "Report Packages" consisting of the following:
 - A copy of the signed Report Document
 - 2 @ 12 inch x 12 inch samples of the control material
 - 2 @ 12 inch x 12 inch samples of the treated material
 - 3 representative hand sheet samples from each of the control and treated evaluations.
 - Retain one of the "copies" of the Report Packages indefinitely.
- Send the original and remaining copy of the Report Package to the submitting company.
NOTE: The "Original" Report Package contains the Report Document from which the two copies were made. The "Original" should have the data entries and other comments shown in their original ink state. A Corporate Officer must complete the page 16 signature page.

Submitting Company (If the Submitting Company wishes to receive FBA certification):

- Send the complete "Original" Report Package as described above, including samples to the FBA.
- When you receive your FBA Certification Letter with the FBA Certification Number, you may imprint/certify packaging made using this treatment material as meeting this voluntary standard, **provided; 1) the material is used on substrates similar to those tested, and 2) at application levels less than or equal to those tested.**