



IPSTESTING

TEST REPORT

Date
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IPS FI 00000-11

Report to: Mr. John Doe
President
Company Q
123 Main St.
Appleton, WI 54911

Sample identification: 1 Paper Sample

Date received: September 8, 2011

Test requested: Recycle Content

Purchase Order: Credit Card

Report of Fiber Analysis

Enclosed are the results of the analysis performed on the sample we received with your Test Services Request Form.

The species percentages are for the respective components only, not for the entire sample.

If you have any questions concerning this work, please do not hesitate to contact us.

Authorized By: _____ Signed _____
Gregory J. Fox Walter J. Rantanen
Lab Manager Technical Leader, Fiber Science
(920) 749-3040 Ext. 127

Table 1. Fiber Analysis, Including Species Percentages, of Sample One

Fiber Type	<u>Softwood</u>	Raw Count	<u>139</u>
Bleaching	<u>Bleached</u>	Weight Factor	<u>0.90</u>
Pulp Process	<u>Kraft</u>	Final Count	<u>125</u>
		% by Weight	<u>31.8%</u>

<u>Species</u>	<u>Total Fibers Identified</u>	<u>Calculated Percent By Weight</u>
[White and/or Red Pine]	73	≈80%
[Spruce and/or Hemlock]	8	≈9%
Hard Pine (Except Red & Scotch)	5	≈7%
Douglas-fir	3	≈4%

Fiber Type	<u>Hardwood</u>	Raw Count	<u>436</u>
Bleaching	<u>Bleached</u>	Weight Factor	<u>0.38</u>
Pulp Process	<u>Kraft</u>	Final Count	<u>166</u>
		% by Weight	<u>42.1%</u>

<u>Species</u>	<u>Total Vessels Counted</u>	<u>Calculated Percent By Weight</u>
Eucalyptus	15	≈85%
<u>Populus</u> spp.	7	≈5%
Birch	2	≈4%
Elm/Hackberry	3	≈3%
Beech	3	≈2%
Redgum	2	≈2%

Fiber Type	<u>Softwood</u>	Raw Count	<u>5</u>
Bleaching	<u>Unbleached</u>	Weight Factor	<u>1.25</u>
Pulp Process	<u>Kraft</u>	Final Count	<u>6</u>
		% by Weight	<u>1.6%</u>

Species:
 Principal - Hard Pine (Except Red & Scotch)

Table 1. Fiber Analysis, Including Species Percentages, of Sample One (contd.)

Fiber Type	<u>Softwood</u>	Raw Count	<u>46</u>
Bleaching	<u></u>	Weight Factor	<u>1.50</u>
Pulp Process	<u>Mechanical</u>	Final Count	<u>69</u>
		% by Weight	<u>17.6%</u>

Species:
Principal - [Spruce and/or Hemlock]

Fiber Type	<u>Hardwood</u>	Raw Count	<u>23</u>
Bleaching	<u></u>	Weight Factor	<u>0.70</u>
Pulp Process	<u>Chemimechanical</u>	Final Count	<u>16</u>
		% by Weight	<u>4.1%</u>

Species:
Principal - Populus spp.

Fiber Type	<u>Grass Fiber</u>	Raw Count	<u>22</u>
Bleaching	<u>Bleached</u>	Weight Factor	<u>0.50</u>
Pulp Process	<u>Chemical</u>	Final Count	<u>11</u>
		% by Weight	<u>2.8%</u>

Species:
Principal - Unidentified

Comments: At least 34% appears to be typical secondary fiber.

Method: TAPPI Test Method T 401 om-03 "Fiber Analysis of Paper and Paperboard."
The Species Percentage determination is an internal method of IPS.
Analyzed by KMT & WJR
Quality Review by BLD
Date(s) of testing July 18, 2011

Notes: These results relate only to the item(s) tested. This test report shall not be reproduced, except in full, without written consent of IPS.