APPENDIX I -
SPECIMEN TEST REPORT G19-02LC

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LARGE CHAMBER-TEST REPORT
Back to Back Configuration

Sample Data

Client Name :	Elite International Forest Ltd.
Sample Name:	5" White Oak Eng. Handscraped Natural
Product Type:	Flooring
Thickness:	0.750 "
Shipping/Storage:	Original Boxes
Condition of sample as received:	Good condition
Arrival Date :	2019-07-19
Date of Manufacture:	Unknown
Selection Date:	Unknown

Conditioning Data

Duration: From : 2019-07-23 to : 2019-07-30			
Temperature Average:	24.0 °C	Temperature Range:	20.0 to 27.1 °C
Relative Humidity Average:	51.2 %	Relative Humidity Range:	27.7 to 64.5 %
Formaldehyde Background Conditionning:	0.01 ppm	Conditionning period :	167 h
Minimum Distance between panels:	6 "		

Large Chamber Data

Location:	1055 rue du P.E.P.S, Quebec city, Quebec	Date of Test:	2019-07-31
Technologist:	Mathieu Gosselin	Large Chamber Length:	4,48 m
Large Chamber Volume:	25,3 m³ (893 ft³)	Large Chamber Width:	2.72 m
Sample Size: 4 Panels of 44.5 " x 47.0 "		Large Chamber Height:	2,08 m
		Number of Surfaces Exposed:	N/A
Loading Ratio Implemented:	0.13 ft²/ft³	Number of Panels in Chamber:	4
Temperature Average:	24.8 °C	Temperature Range:	24.6 to 24.9 °C
Relative Humidity Average:	52.9 %	Relative Humidity Range:	52.3 to 53.6 %
Formaldehyde Background (in chamber) :	0.00 ppm	Formaldehyde Chamber Air Supply:	0.01 ppm
Air Change Rate:	0.503 per hour	Chamber is in Positive Pressure	

Spectrophotometer: Milton Roy Spectronic 601 / 030655
Samples Read Undiluted or Diluted to a 100% Concentration

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LARGE CHAMBER -TEST REPORT

Results

Large Chamber Air Sampling	Port	Formaldehyde Concentration	
		At Test	Corrected (To 25°C and 50% RH)
1.0 L/min * 60 min = 60 L	A	0.01 ppm	0.01 ppm
1.0 L/min * 60 min = 60 L	B	0.01 ppm	0.01 ppm
Reported Large Chamber Test Value:		**0.01 ppm**	**0.01 ppm**

Emission Rate (Corrected to 25 °C and 50 % RH):   **0.011 mg/(m^2.h)**

Tests results indicate a precision of within 0.03 ppm of the established norm for this Standard ASTM E1333-14.

Comments:

This test report in no way constitutes or implies product certification, approval or endorsement by FPInnovations, the Standards Council of Canada or any agency of the Canadian Government.

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*   Also meets the requirements of ASTM D5582-14, modified for 16-20h conditioning.
      Accredited by the Standards Council of Canada.

Approuvé par QM	Date
Costel Barbuta	2019-07-24

LARGE CHAMBER TEST DATA

Client Name: Elite International Forest Ltd.
Sample configuration : Back to Back Configuration
Product Type: Flooring
Sample Name: 5" White Oak Eng. Handscraped Natural
Test number: **G19-02LC**
Production Date: Unknown
Reception manner: Original Boxes
Condition of sample as received: Good condition

Size: 4 x 44.5 " x 47 "
_ x " x "

Selection Date: Unknown
Arrival Date: 2019-07-19
Conditionning Starts : 2019-07-23 15:00
Conditionning Ends : 2019-07-30 14:30

Equipment used for preparation:

			Calib. date	Int. Vérif. date	Indicate with (X)
EPPENDORF Research plus (0.5 - 5 ml)	S/N H17160E	103952	2018-03-14	2019-05-21	x
EPPENDORF Research plus (100 - 1000µl)	S/N 336398A	103949	2018-03-15	2019-05-21	
EPPENDORF Research plus	S/N 406906A	103950	2018-03-15	2019-05-21	x
Denver Instrument	S/N P4K2074004	103974	2018-05-08	2019-07-08	x
Mettler XS204	S/N B212793656	103989	2018-05-07	2019-07-08	x
Milton Roy Spectronic 601	S/N 483662	FCC#030655	2018-05-07	---	x
Gilibrator	S/N 0503058-S	FCC#034660	2019-05-23	N/A	x
Lufkin Pro Series - Measuring Tape	N/A	FCC#034952	N/A	2018-06-11	x

Date: 2019-07-31

Background Test: Date: 2019-07-30

Volume Sampled	Port	
(Background)	A	B
Air flow before (L/min):	1.003	1.006
Air flow after (L/min):	1.012	1.008
Mean flow (L/min):	1.008	1.007
Volume sampled (L):	60.5	60.4

Large Chamber Background (τ = 60 min)			
Port A (Out)	A1:	0.008	[HCHO]
T (°C): 24.5	A2:	0.011	(ppm):
RH (%): 50.9	AVG:	0.010	**0.01**
Port B (In)	B1:	0.003	[HCHO]
T (°C): 24.6	B2:	0.003	(ppm):
RH (%): 50.4	AVG:	0.003	**0.00**

Main Test:

Sampling Conditions	
Average Temperature (°C):	24.8
Average Relative Humidity (%):	52.9
Atm. Pressure (mm Hg):	760
Sampling Time (min):	60
Load Level (ft²/ft³):	0.13
Chamber Air Flowrate (LPM):	212.0

Volume Sampled	Port	
(LC Test)	A	B
Air flow before (L/min):	1.007	1.008
Air flow after (L/min):	1.005	1.006
Mean flow (L/min):	1.006	1.007
Volume sampled (L):	60.4	60.4

Absorbance Results			
Blank:	0.008	(Subtracted)	
Port A		Port B	
A1:	0.007	B1:	0.009
A2:	0.007	B2:	0.009
A3:	0.006	B3:	0.008
AVG:	0.007	AVG:	0.009

Final Results		
	At test	Corrected
[HCHO] Port A (ppm):	0.01	0.01
[HCHO] Port B (ppm):	0.01	0.01
Average [HCHO] (ppm):	0.01	0.01
Emission rate for 0.13 loading (mg/(m². h)):		0.011

QA/QC Formaldehyde standard verification

Calibration Curve Date: 2019-07-05 (ref#: 1/74/2019-07-05)
Solution A concentration: 1005 µg/ml

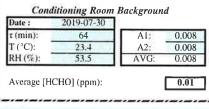| Calibration Curve Equation (ABS vs µg)	
y = 18.675 x + -0.0222	

Cal Curve point check

Known Standard [HCHO]*
0.50 µg/mL

0.050 ml from solution A diluted in 100 ml.

Absorbance results	
1	0.122
2	0.116
AVG:	0.119
[HCHO]:	0.55 µg/mL
Recovery:	109.5% YES

Conditioning Room Background

Date :	2019-07-30		
τ (min):	64	A1:	0.008
T (°C):	23.4	A2:	0.008
RH (%):	53.5	AVG:	0.008

Average [HCHO] (ppm): **0.01**

Performed By: Mathieu Gosselin   **Date:** 2019-07-31