



Capital Testing and Certification Services

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TEST REPORT ON FORMALDEHYDE EMISSIONS FROM WOOD PRODUCTS: Standard Face and Back Configuration

Test Method: ASTM D6007-14

Analytical Procedure: Modified NIOSH 3500

CUSTOMER INFORMATION	SAMPLE IDENTIFICATION	
Fibonacci LLC (DBA: HempWood) 301 Rockwood Road Murray, KY 42071	Test ID#:	FSC4289
	Date of Test:	12/9/2021
	Customer Sample ID:	11J21
	Adhesive:	See notes below

SAMPLE DESCRIPTION			
Product Type:	1" HempWood	Sample Thickness:	1"
Core Type:	HWPW	Sample shipped/stored in:	Vapor Barrier
Sample Condition:	OK	Date Selected:	N/A
Date of Manufacture:	10/11/2021	Date Received:	11/22/2021
Date Conditioned:	12/2/2021	Selected and Described By:	Client
Date Tested:	12/9/2021	Sample Plan:	PAY

CONDITIONING DATA	Value	Units
Temperature: (range)	24.0;(23.25-25.25)	°C
Relative Humidity: (range)	51;(46-57)	% RH
Conditioning Background HCHO:	BLQ	ppm
Conditioning Time:	168	hours
Chamber Background HCHO:	BLQ	ppm

TEST DATA	Value	Units
Test Chamber:	1	n/a
Chamber Location:	Sterling, VA USA	n/a
Test Chamber Volume* :	2.33 ft ³ ; 1.14' H x 1.58' W x 1.27' D	ft ³
Loading Ratio (ft ² /ft ³) :	1.04	ft ² /ft ³
Q/A Ratio :	1.17	m ³ /h air per m ² test area
# of Specimens in Test:	5	n/a
Sample Size:	5 1/4" x 6.58"	inches
Total Surfaces Exposed:	10	surfaces
Edges Sealed:	Yes	n/a
Test Temperature: (range):	25.0;(25.0-25.0)	°C
Relative Humidity: (range):	52;(52-52)	% RH
Air Change Rate:	4	AC/h
Sample Flow Rate:	1.00	L/min
Sample Collection Time:	60	Min.
TEST RESULT: (At Test Conditions)	BLQ	ppm
TEST RESULT: (Corrected to 77°F & 50%RH)	BLQ	ppm
UNCERTAINTY (+/-):		n/a

*Dimensions of only the chamber proper are reported. The displayed chamber volume includes additional 0.045 ft³ of interior volume not contained in the chamber proper.

BLQ = Below Limit of Quantitation = less than 0.008 ppm

NOTES:
(including any deviations from the ASTM procedure or sample defects)
Sample material is a hemp-based composite wood material that does not fit the description of HWPW, PB, or MDF. The client and Capital Testing agreed to use the Q/A ratio for HWPW stated in the ASTM D6007 standard.
Client provided the following additional product information: HempWood: Soy based Adhesive Sample ID: 11J21 Cold Press

Josh Hosen

Josh Hosen
Director of Certification Programs

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