



**Reporting Laboratory:**  
Benchmark International, LLC (BMI)  
2710 West 5th Avenue  
Eugene, Oregon, USA 97402  
Phone: +1 (541) 484-9212 / FAX: +1 (541) 344-2735

**TESTING CONDUCTED ON BEHALF OF THE NAMED CLIENT BELOW:**

Heather Noyes  
Cali Bamboo, LLC  
6675 Mesa Ridge Road, Suite 100  
San Diego, CA 92121  
USA

**REPORT INFORMATION:**

**Report Date:** March 22, 2018  
**BMI Client/Project Number:** 0721341  
**Report of:** Finished Goods Ind #2 (Face/Back Exposed)  
**BMI Lab Report Number:** 0721341-610  
**Sample ID Number(s):** 2018-0469

**ASTM D6007-14 Standard Test Method for Determining Formaldehyde Concentration in Air from Wood Products Using a Small Scale Chamber  
NIOSH 3500: Formaldehyde by VIS (Chromotropic Acid procedure)  
Standard Face-and-Back Sample Configuration**

CHAMBER TEST CONDITIONS/PARAMETERS				
<b>Product Type:</b>	Finished Goods			
<b>Chamber Load Ratio (m<sup>2</sup>/m<sup>3</sup>):</b>	0.43			
<b>Chamber Dimensions (m):</b>	0.49 x 0.49 x 0.49 (Nominal)			
<b>Chamber Volume (m<sup>3</sup>):</b>	0.12m <sup>3</sup>			
<b>Air Exchange Rate:</b>	0.5 +/- 0.05 air changes per hour			
<b>Chamber Q/A Ratio (+/- 2%):</b>	1.173			
<b>No. Specimens in Charge:</b>	1			
<b>No. Faces Exposed:</b>	2			
<b>Barometric Pressure (in Hg):</b>	29.5			
<b>Temperature (°C):</b>	<b>Avg:</b> 24.5	<b>Min:</b> 24.3	<b>Max:</b> 24.7	
<b>Relative Humidity (%):</b>	<b>Avg:</b> 51	<b>Min:</b> 51	<b>Max:</b> 51	
<b>Length of Test (minutes):</b>	30			

PRODUCT AND SAMPLE DATA			
<b>Product Name/Description:</b>	3/4" Carbonized Fossilized 3-Ply Bamboo Plywood SKU#8012000900 PO#11948		
<b>Panel Manufacturer:</b>	Not Specified	<b>Production Date:</b>	Not Specified
<b>Supplier:</b> (if different than panel mfr)	ZEN	<b>Sample Collection Date:</b>	Not Specified
<b>Nominal Product Thickness:</b>	3/4 in	<b>Sample Test Date:</b>	3/20/2018
<b>Nominal Product Dimensions (L x W):</b>	48 x 96 in	<b>Sample Wrapping Method:</b>	Wrapped Together in Vapor Retarder
<b>Face Surface Condition:</b>	Stained/Coated	<b>Back Surface Condition:</b>	Stained/Coated
<b>Lot/Batch No.:</b>	N/S	<b>Resin Type/Supplier:</b>	N/S

TEST RESULTS	
	<b>Impinger</b>
<b>Observed Air Flow Rate (Observed L/min):</b>	1.00
<b>Corrected Volume of Air Sample (Liters):</b>	30.00
<b>Raw Absorbance Values</b>	
<b>Absorbance #1</b>	0.008
<b>Absorbance #2</b>	0.006
<b>Absorbance #3</b>	0.004
<b>Average Absorbance:</b>	0.006
<b>Unadjusted Concentration (ppm):</b>	0.01
<b>Temperature Correction Factor 25°C:</b>	1.05
<b>Relative Humidity Correction Factor 50% R.H.:</b>	0.99
<b>Standardized Concentration (ppm):**</b>	BLQ

\*\*BLQ = Test result is below the limit of quantification (<0.015 ppm)

TEST ANNOTATIONS
1) The test chamber is activated under positive pressure. The air sampling rate was 1.0 liters per minute (L/min) for 30 +/- 2 minutes.
2) The samples were conditioned for seven (7) days prior to testing. The sample conditioning environment was maintained at 75 +/- 5°F (24 +/- 3°C) and 50% +/- 5% relative humidity.
3) During conditioning and test, the background concentration of formaldehyde in air was 0.01 ppm or less.

OTHER COMMENTS
Product type is solid bamboo. Test method ASTM D6007 with a Q/A ratio of 1.173 was employed at client direction.

This report has been produced for the exclusive use of: Cali Bamboo, LLC  
and may not be reproduced except in its entirety, and only with the express written permission of BMI. All test reports are subject to the current Benchmark Holdings, LLC Inspection and Test Report Publication Guidelines. Report users are responsible for contacting BMI to obtain a copy of current inspection and test report publication guidelines and/or to obtain written authorization to publish or reproduce this test report.

**NOTE 1:** Unless otherwise agreed in writing in advance by a duly authorized member of BMI management, test services are subject to the then-current Benchmark Holdings, LLC Standard Terms and Conditions of Service in effect at the time the test sample is submitted to the BMI Laboratory. No one other than the named BMI Client above shall be entitled to rely upon this report or the information contained herein. Any such unauthorized reliance on or use of this report will be at the third party's sole risk.

**NOTE 2:** Services performed for this project have been conducted with a level of care and skill ordinarily exercised by members of the profession currently practicing in this area under similar conditions and constraints. No warranty, expressed or implied, is made.

Respectfully Submitted,

**Laboratory Manager**  
**Benchmark Holdings, LLC (BMH)**  
**Benchmark International, LLC (BMI)**

