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

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USA

**REPORT INFORMATION:**

**Report Date:** August 18, 2017  
**BMI Client/Project Number:** 0721538  
**Report of:** Finished Good Sample Prep per CARB SOP  
**BMI Lab Report Number:** 0721538-17  
**Sample ID Number(s):** 2017-2226

**ASTM D6007-02 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)**  
**Face-to-Face Configuration (Back Exposed)**

CHAMBER TEST CONDITIONS/PARAMETERS					
Product Type:	Medium Density Fiberboard (MDF)				
Chamber Load Ratio (m <sup>2</sup> /m <sup>3</sup> ):	0.26				
Chamber Dimensions (m):	0.49 x 0.49 x 0.49 (Nominal)				
Chamber Volume (m <sup>3</sup> ):	0.12m <sup>3</sup>				
Air Exchange Rate:	0.5 +/- 0.05 air changes per hour				
Chamber Q/A Ratio (+/- 2%):	1.905				
No. Specimens in Charge:	1				
No. Faces Exposed:	2				
Barometric Pressure (in Hg):	29.7				
Temperature (°C):	Avg:	24.9	Min:	24.8	Max: 24.9
Relative Humidity (%):	Avg:	49	Min:	49	Max: 49
Length of Test (minutes):	30				

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>	0.015
<b>Absorbance #2</b>	0.017
<b>Absorbance #3</b>	0.017
<b>Average Absorbance:</b>	0.016
<b>Unadjusted Concentration (ppm):</b>	0.03
<b>Temperature Correction Factor 25°C:</b>	1.01
<b>Relative Humidity Correction Factor 50% R.H.:</b>	1.01
<b>Standardized Concentration (ppm):**</b>	0.04
<b>**BLQ = Test result is below the limit of quantification (&lt;0.015 ppm)</b>	

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PRODUCT AND SAMPLE DATA			
<b>Product</b>	PO# 3888		
<b>Name/Description:</b>	Golden Ash Laminate #ET910		
<b>Panel Manufacturer:</b>	Not Specified	<b>Production Date:</b>	6/2/2017
<b>Supplier:</b> (if different than panel mfr)	See Above	<b>Sample Collection Date:</b>	8/3/2017
<b>Nominal Product Thickness:</b>	12.3 mm	<b>Sample Test Date:</b>	8/16/2017
<b>Nominal Product Dimensions (L x W):</b>	N/S N/S	<b>Sample Wrapping Method:</b>	Wrapped Together in Vapor Retarder
<b>Face Surface Condition:</b>	Deconstructed FG	<b>Back Surface Condition:</b>	Deconstructed FG
<b>Lot/Batch No.:</b>	N/S	<b>Resin Type/Supplier:</b>	N/S

DECONSTRUCTED THICKNESS (inches):			
<b>As Received:</b> 0.468	<b>- Face:</b> N/A	<b>- Back:</b> 0.429	

\*Unless otherwise noted in "Other Comments", sample "deconstructed" per ARB finished goods sample preparation procedures.

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
Not Applicable

Respectfully Submitted,

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



## PHOTOS



Figure 1 - Shipping Label

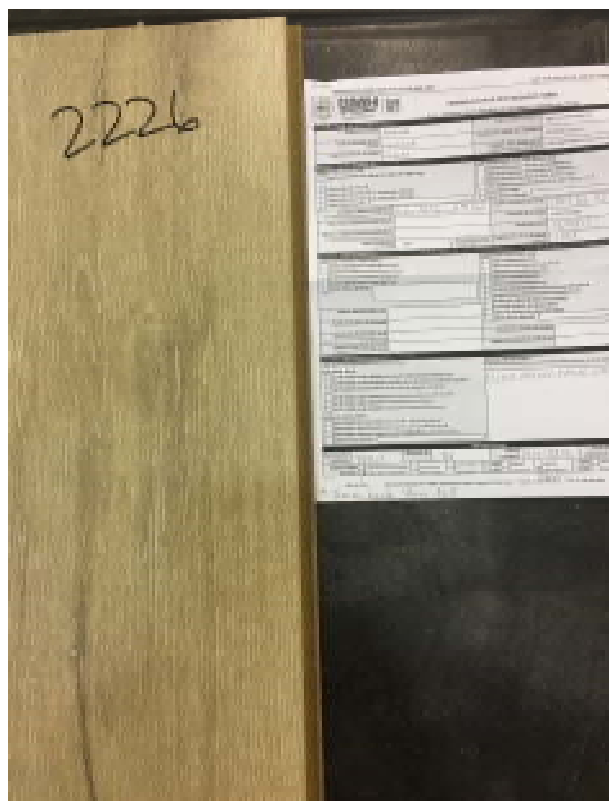


Figure 2 - Sample (As Received) and Test Request Form



Figure 3 - Deconstructed Sample in Conditioning



Figure 4 - Sample in Test Chamber