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

Jonathan Espinoza  
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 USA

**REPORT INFORMATION:**

**Report Date:** October 14, 2019  
**BMI Client/Project Number:** 0721589  
**Report of:** Finished Goods Ind #1 (Face Exposed)  
**BMI Lab Report Number:** 0721589-24  
**Sample ID Number(s):** 2019-1254

**ASTM D6007-14 Standard Test Method for Determining Formaldehyde Concentration in Air from Wood Products Using a Small Scale Chamber**  
**ASTM D5197-16: Standard Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)**  
**Back-to-Back Sample Configuration (Face Exposed)**

CHAMBER TEST CONDITIONS/PARAMETERS				
<b>Product Type:</b>	Finished Goods			
<b>Chamber Load Ratio (m<sup>2</sup>/m<sup>3</sup>):</b>	0.86			
<b>Chamber Dimensions (m):</b>	0.39 x 0.39 x 0.39 (Nominal)			
<b>Chamber Volume (m<sup>3</sup>):</b>	0.06m <sup>3</sup>			
<b>Air Exchange Rate:</b>	1.0 +/- 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>Temperature (°C):</b>	<b>Avg:</b> 26.0	<b>Min:</b> 25.8	<b>Max:</b> 26.2	
<b>Relative Humidity (%):</b>	<b>Avg:</b> 49	<b>Min:</b> 48	<b>Max:</b> 49	
<b>Length of Test (minutes):</b>	60			

TEST RESULTS	
	Value:
<b>Observed Air Flow Rate (Liters/min):</b>	1.00
<b>Corrected Volume of Air Sample (Liters):</b>	60.0
<b>Sample Concentration (µg/mL):</b>	0.077
<b>Sample Eluent Dilution Factor:</b>	N/A
<b>Unadjusted Concentration in Air (ppm):</b>	0.010
<b>Temperature Correction Factor to 25 :</b>	0.90
<b>Relative Humidity Correction Factor to 50% R.H.:</b>	1.03
<b>Standardized Concentration in Air (ppm):</b>	0.009
**<0.005ppm = Test result is below the limit of quantification	

CUSTOMER-SUPPLIED PRODUCT AND SAMPLE DATA			
<b>Product Name/Description:</b>	Modern Craftsman Studio Collection, #MCSTUDIO Eng. Flr.: European Oak Veneer/Eucalyptus&Poplar Core		
<b>Supplier:</b> <small>(if different than panel mfr)</small>	See Above	<b>Production Date:</b>	06/2019
<b>Nominal Product Thickness:</b>	7/16 in	<b>Sample Collection Date:</b>	9/19/2019
<b>Nominal Product Dimensions (L x W):</b>	N/S N/S	<b>Specimen Test Date:</b>	10/9/2019
<b>Face Surface Condition:</b>	Stained/Coated	<b>Sample Wrapping Method:</b>	Wrapped Together in Vapor Retarder
<b>Back Surface Condition:</b>	Stained/Coated	<b>Panel Production Line:</b>	N/S
<b>Resin Supplier Name:</b>	Not Specified	<b>Resin Name/Type:</b>	Not Specified
<b>Sample Collected by:</b>	Client	<b>Sample Collector Name:</b>	Jonathan Espinoza

TEST ANNOTATIONS
1) The test chamber is activated under positive pressure. The air sampling rate was 1.0 liters per minute (L/min) for 60 +/- 2 minutes.
2) Unless otherwise noted, test specimens were prepared per test method requirements. Specimens were conditioned for seven (7) days prior to testing. The specimen conditioning environment was maintained at 75 +/- 5°F (24 +/- 3°C) and 50% +/- 5%
3) During conditioning and test, the background concentration of formaldehyde in air was 0.005 ppm or less.

OTHER COMMENTS
Not Applicable

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Respectfully Submitted,

Laboratory Manager  
 Benchmark Holdings, LLC (BMH)

