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TESTING CONDUCTED ON BEHALF OF THE NAMED CLIENT BELOW:

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REPORT INFORMATION:

Report Date: April 18, 2017
BMI Client/Project Number: 0721538
Report of: Finished Good Sample Prep per CARB SOP
BMI Lab Report Number: 0721538-11
Sample ID Number(s): 2017-1533

**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 ² /m ³):	0.26		
Chamber Dimensions (m):	0.49 x 0.49 x 0.49 (Nominal)		
Chamber Volume (m ³):	0.12m ³		
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):	29.5		
Temperature (°C):	Avg: 24.7	Min: 24.4	Max: 24.9
Relative Humidity (%):	Avg: 51	Min: 50	Max: 51
Length of Test (minutes):	30		

PRODUCT AND SAMPLE DATA			
Product Name/Description:	Red Oak Laminate PO 3514		
Panel Manufacturer:	Not Specified	Production Date:	1/11/2016
Supplier: (if different than panel mfr)	See Above	Sample Collection Date:	3/29/2017
Nominal Product Thickness:	8.2 mm	Sample Test Date:	4/17/2017
Nominal Product Dimensions (L x W):	N/S N/S	Sample Wrapping Method:	Wrapped Together in Vapor Retarder
Face Surface Condition:	Deconstructed FG	Back Surface Condition:	Deconstructed FG
Lot/Batch No.:	N/S	Resin Type/Supplier:	N/S

TEST RESULTS	
	Impinger
Observed Air Flow Rate (Observed L/min):	1.00
Corrected Volume of Air Sample (Liters):	29.70
Raw Absorbance Values	
Absorbance #1	0.020
Absorbance #2	0.022
Absorbance #3	0.023
Average Absorbance:	0.022
Unadjusted Concentration (ppm):	0.06
Temperature Correction Factor 25°C:	1.03
Relative Humidity Correction Factor 50% R.H.:	0.98
Standardized Concentration (ppm):**	0.06
**BLQ = Test result is below the limit of quantification (<0.015 ppm)	

DECONSTRUCTED THICKNESS (inches):			
As Received:	0.308	- Face:	N/A
		- Back:	0.289

*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
NOTE: Client stated nominal thickness as 8.2mm. Original thickness measurement by this laboratory was 0.308" (7.8mm). Product Type was described as "MDF" rather than "Thin MDF" based on the stated nominal thickness rather than the measured thickness.

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Respectfully Submitted,

Laboratory Manager
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