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TESTING CONDUCTED ON BEHALF OF THE NAMED CLIENT BELOW:

Magpanel MGO/Ambient Building Products
1440 Desoto Rd.
Baltimore, MD 21230 USA

REPORT INFORMATION:

Report Date:	December 31, 2025
BMI Client/Project Number:	0721473
Report of:	Raw Panel Indicator
BMI Lab Report Number:	0721473-54
Sample ID Number(s):	2025-1096

ASTM D6007-14 Standard Test Method for Determining Formaldehyde Concentration in Air from Wood Products Using a Small-Scale Chamber
ASTM D5197-21: Standard Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)
Standard Face-and-Back Sample Configuration

CHAMBER TEST CONDITIONS/PARAMETERS

Product Type:	Other (See "Other Comments")					
Chamber Load Ratio (m^2/m^3)**:**	0.86					
Chamber Dimensions (m)**:**	0.39 x 0.39 x 0.39 (Nominal)					
Chamber Volume (m^3)**:**	0.06m^3					
Air Exchange Rate:	1.0 +/- 0.05 air changes per hour					
Chamber Q/A Ratio (+/- 2%)**:**	1.172					
No. Specimens in Charge:	3					
No. Faces Exposed:	6					
Temperature (°C)**:**	**Avg:**	24.8	**Min:**	24.7	**Max:**	24.9
Relative Humidity (%)**:**	**Avg:**	51	**Min:**	51	**Max:**	51
Length of Test (minutes)**:**	60					

TEST RESULTS

	Value:
Observed Air Flow Rate (Liters/min)**:**	1.00
Corrected Volume of Air Sample (Liters)**:**	60.0
Sample Concentration (µg/mL)**:**	0.016
Sample Eluent Dilution Factor:	N/A
Unadjusted Concentration in Air (ppm)**:**	0.002
Temperature Correction Factor to 25 :	1.02
Relative Humidity Correction Factor to 50% R.H.:	0.98
Standardized Concentration in Air (ppm)**:**	**<0.005

****<0.005ppm = Test result is below the limit of quantification**

CUSTOMER-SUPPLIED PRODUCT AND SAMPLE DATA

Product Name/Description:	1/2" Magpanel MGO		
Panel Manufacturer:	Not Specified	**Production Date:**	Not Specified
Supplier: (if different than panel mfr)	See Above	**Sample Collection Date:**	Not Specified
Nominal Product Thickness:	1/2 in	**Specimen Test Date:**	12/30/2025
Nominal Product Dimensions (L x W):	N/S N/S	**Sample Wrapping Method:**	Wrapped Together in Vapor Retarder
Face Surface Condition:	Unfinished	**Back Surface Condition:**	Unfinished
Lot/Batch No.:	N/S	**Panel Production Line:**	N/S
Resin Supplier Name:	Not Specified	**Resin Name/Type:**	Not Specified
Sample Collected by:	Client	**Sample Collector Name:**	Terry Keyfauver

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 168 hours +/- 3 hours prior to testing. The specimen conditioning environment was maintained at 75°F +/- 5°F (24°C +/- 3°C) and 50% +/- 5% relative humidity.

3) During conditioning and test, the background concentration of formaldehyde in air was 0.005 ppm or less.

4) ASTM E1333/ASTM D6007 Equivalence C-Value (Low Range): 0.021 Date: 12/26/2024
ASTM E1333/ASTM D6007 Equivalence C-Value (Mid Range): 0.035 Date: 12/31/2024

5) Test Technician Name: A. Malsch

OTHER COMMENTS

Product type is an MGO (magnesium oxide) panel. Test method ASTM D6007 with a Q/A ratio of 1.172 was employed at client direction.

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Respectfully Submitted,

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

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