



中国认可  
国际互认  
检测  
TESTING  
CNAS L0167

## Test Report

No.: GZHL2307024247HI

Date: Aug 02, 2023

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LONGHAI MEIJIA WOODEN-BASED PANELS CO., LTD  
CAIKENG INDUSTRY DISTRICT, JIUHU COUNTY, LONGHAI CITY, FUJIAN

The following sample(s) was/were submitted and identified on behalf of the applicant as

Product Type : MDF (without surface finishes or seals)  
Thickness : 12mm  
Lot No. : 2023060201M12  
Production Date : 2023/6/2  
Visit Number : Y3Q1  
Job Number : BJGZ21B1005  
Sample Wrapping Method : Wrapped Collectively in Vapor Retarder

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

\*\*\*\*\*

SGS Ref No. : CAN23-0065481  
Sample Receiving Date : Jul 19, 2023  
Test Performing Date : Jul 19, 2023 To Aug 02, 2023  
Test Performed : Selected test(s) as requested by applicant  
Test Result(s) :

	Test Requirement	Conclusion
1	Final Regulation Order – Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Product (CARB ATCM), title 17, California Code of Regulation, section 93120.2 (a) and US EPA 40 CFR Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products	Pass



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Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Joe



Joe Lu  
Authorized Signatory



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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN23-0065481-0001.C001	Brown MDF

### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated

## Final Regulation Order – Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Product (CARB ATCM), title 17, California Code of Regulation, section 93120.2 (a) and US EPA 40 CFR Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products

Test Method: With reference to ASTM D6007-14 and Standard Face and Back Configuration testing therein, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A1
<b>Sample Conditioning / Parameters</b>				
Average Temperature	-	°C	-	23.5
Average Relative Humidity	-	%	-	49.8
Range of Temperature	-	°C	-	21.0-27.0
Range of Relative Humidity	-	%	-	45.0-55.0
Sampling Time	-	h	-	168
Formaldehyde Background	-	ppm	-	<0.10
<b>Sample Details and Apparatus</b>				
Chamber Dimensions(Nominal)	-	m	-	1.6x0.8x0.8
Chamber Volume	-	m <sup>3</sup>	-	1.0
Chamber Load Ratio	-	m <sup>2</sup> /m <sup>3</sup>	-	0.39
Chamber Q/A Ratio(±2%)	-	-	-	1.905
Sample Size	-	cm	-	25.6x25.6
Number of Samples	-	-	-	3
Number of Exposed Surfaces	-	-	-	6
<b>Sampling Parameters of Emission Test</b>				
Average Temperature	-	°C	-	25.0
Average Relative Humidity	-	%	-	49.7
Range of Temperature	-	°C	-	24.0-26.0
Range of Relative Humidity	-	%	-	46.0-54.0
Air-sampling Time	-	min	-	30
Sampling Time in Chamber	-	min	-	240
Air-sampling Rate	-	L/min	-	1.0
<b>Formaldehyde Emission Results</b>				
Background of Trial 1	-	ppm	0.01	ND
Background of Trial 2	-	ppm	0.01	ND
Background of Trial 3	-	ppm	0.01	ND
Formaldehyde Emission of Trial 1	-	ppm	0.01	0.06
Formaldehyde Emission of Trial 2	-	ppm	0.01	0.06



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Test Item(s)	Limit	Unit(s)	MDL	A1
Formaldehyde Emission of Trial 3	-	ppm	0.01	0.06
Formaldehyde Emission (Corrected) of Trial 1	-	ppm	0.01	0.06
Formaldehyde Emission (Corrected) of Trial 2	-	ppm	0.01	0.06
Formaldehyde Emission (Corrected) of Trial 3	-	ppm	0.01	0.06
Formaldehyde Emission (Corrected) of Average	0.11	ppm	0.01	0.06
<b>Conclusion</b>	<b>Pass</b>			

### Notes:

- (1) ppm = parts of formaldehyde per million parts air
- (2) Formaldehyde Emission (Corrected) is Formaldehyde concentration corrected to 25°C and 50% Relative Humidity.
- (3) The scope of CARB ATCM / TSCA Title VI is/are applicable for composite wood, but not for other wood products.
- (4) Formaldehyde emission test is one of the conformity criteria under CARB ATCM / TSCA Title VI. Full conformity of a composite wood product happens provided that this composite wood fulfill all the requirement as stated in CARB ATCM title 17 section 93120 to 93120.12 / US EPA 40 CFR Part 770.10.

### Reference Limit:

Maximum Permissible Limit according to CARB ATCM, Title 17, California Code of Regulation, Section 93120.2 (a):

Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)	
Type	Limits
HWPW	0.05 ppm
PB	0.09 ppm
MDF	0.11 ppm
Thin MDF	0.13 ppm

Maximum Permissible Limit according to TSCA Title VI, US EPA 40 CFR Part 770.10, Code of Federal Regulations:

Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), Medium Density Fiberboard(MDF), and Laminated Product	
Type	Limits



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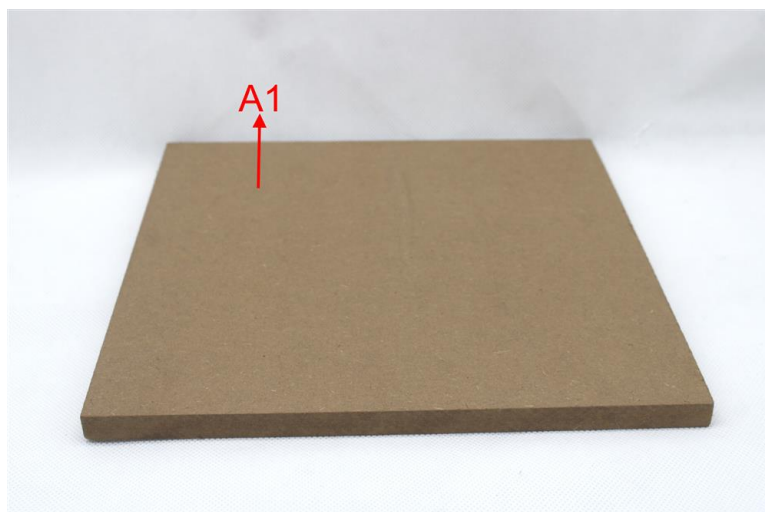
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HWPW	0.05 ppm
PB	0.09 ppm
MDF	0.11 ppm
Thin MDF	0.13 ppm
Laminated Product	0.05 ppm

For the maximum permissible limit of Laminated product, Effective date is March 22, 2024

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

### Sample Photo:



\*\*\* End of Report \*\*\*



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