



中国认可
国际互认
检测
TESTING
CNAS L0167

Test Report

No.: GZHL2403011321HI

Date: Apr 11, 2024

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HONG WEI WOODS (REN HUA) INDUSTRY CO., LTD.
COUNTY INDUSTRIAL PARK, SHAOGUAN CITY, GUANGDONG PROVINCE

Product Type : PB (without surface finishes or seals)
Thickness : 25mm
Lot No. : HWRH-240117-1
Production Date : 2024/1/17
Visit Number : Y4Q3
Job Number : BJGZ20B1014
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. : CAN24-0059104
Sample Receiving Date : Mar 28, 2024
Test Performing Date : Mar 28, 2024 To Apr 11, 2024
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(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

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	CAN24-0059104-0001.C001	Brown PB

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
Sample Conditioning / Parameters				
Average Temperature	-	°C	-	23.5
Average Relative Humidity	-	%	-	49.9
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
Sample Details and Apparatus				
Chamber Dimensions(Nominal)	-	m	-	1.6x0.8x0.8
Chamber Volume	-	m³	-	1.0
Chamber Load Ratio	-	m²/m³	-	0.64
Chamber Q/A Ratio(±2%)	-	-	-	1.172
Sample Size	-	cm	-	32.3x33
Number of Samples	-	-	-	3
Number of Exposed Surfaces	-	-	-	6
Sampling Parameters of Emission Test				
Average Temperature	-	°C	-	25.0
Average Relative Humidity	-	%	-	50.5
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
Formaldehyde Emission Results				
Background of Trial 1	-	ppm	0.01	ND
Background of Trial 2	-	ppm	0.01	ND
Background of Trial 3	-	ppm	0.01	ND



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Test Item(s)	Limit	Unit(s)	MDL	A1
Formaldehyde Emission of Trial 1	-	ppm	0.01	0.04
Formaldehyde Emission of Trial 2	-	ppm	0.01	0.04
Formaldehyde Emission of Trial 3	-	ppm	0.01	0.03
Formaldehyde Emission (Corrected) of Trial 1	-	ppm	0.01	0.04
Formaldehyde Emission (Corrected) of Trial 2	-	ppm	0.01	0.04
Formaldehyde Emission (Corrected) of Trial 3	-	ppm	0.01	0.03
Formaldehyde Emission (Corrected) of Average	0.09	ppm	0.01	0.04
Conclusion				Pass

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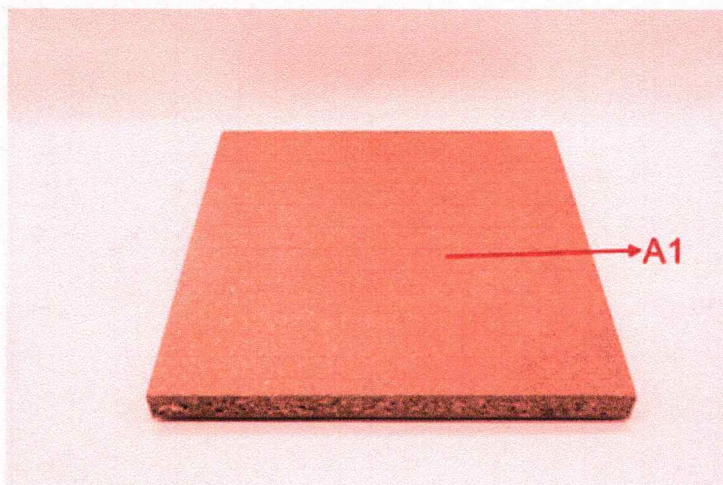
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Type	Limits
HWPW	0.05 ppm
PB	0.09 ppm
MDF	0.11 ppm
Thin MDF	0.13 ppm
Laminated Product	0.05 ppm

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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