

Test Report

No.: SHAHL22001080801

Date: Sep 08, 2022

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Client name : NOBLE HOUSE HOME FURNISHINGS LLC

Client address : BAIMEI NO.7 BUILDING, FENGHUA/YONGFENG INDUSTRIAL ZONE, JINGXI TOWN,
MINHOU COUNTY, FUZHOU, FUJIAN, CHINA

Sample Description : PLYWOOD

Style No. : SP2022080083

Supplier : ID: 1413

Client Ref. Information : HWPW-VC

Origin of the Product(s) : CHINA

Destination of the Product(s) : USA

The above sample(s) and information were provided by the client.

SGS No. : SHHL2208037319FT

Sample Receiving Date : Aug 29, 2022

Testing Period : Aug 29, 2022 to Sep 08, 2022

Test Requested : Select test(s) as requested by the client.

Testing Performed : Follow selected test(s) as requested by client.

	Test Requirement	Conclusion
1	US EPA, 40 CFR Part 770- Formaldehyde Emission Standards for Composite Wood Products to comply with Labelling requirement of Toxic Substances Control Act (TSCA) Title VI and Airborne Toxic Control Measure to reduce Formaldehyde emissions from composite wood product (CARB ATCM), Title 17, California Code of Regulation, Section 93120.2(a) - Formaldehyde emission	Pass

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jessica Pan.

Jessica Pan

Approved Signatory

scan to see the report



SHAHL22001080801



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Testing Center - China

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Test Results:

Test Part Description:

SN ID	Sample No	SGS Sample ID	Description
SN1	A1	SHA22-0010808-0001.C001	Natural color plywood

Remarks:

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

US EPA, 40 CFR Part 770- Formaldehyde Emission Standards for Composite Wood Products to comply with Labelling requirement of Toxic Substances Control Act (TSCA) Title VI and Airborne Toxic Control Measure to reduce Formaldehyde emissions from composite wood product (CARB ATCM), Title 17, California Code of Regulation, Section 93120.2(a) - Formaldehyde emission

Test Method: With reference to ASTM D 6007-2014, analysis was performed by UV-Vis.

Test Item(s)	Limit	Units	MDL	A1
Background	-	ppm	0.01	ND
Formaldehyde Emission	-	ppm	0.01	0.02
Formaldehyde Emission (Corrected)	0.05	ppm	0.01	0.02
Conclusion	Pass			

Notes:

- (1) The scope of CARB ATCM and TSCA Title VI is applicable for composite wood, but not for other wood products.
- (2) Formaldehyde emission test is one of the conformity criteria under CARB ATCM and TSCA Title VI. Full conformity of a composite wood product happens provided that this composite wood fulfil all the requirement as stated in 40 CFR Part 770, TSCA Title VI and CARB ATCM, title 17, California Code of Regulation, Section 93120 to 93120.12.
- (3) On August 21, 2019, the EPA published a revision to the Act addressing certain



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technicalities and to further align its requirements with the CARB ATCM Phase II Program.

(4) ppm = parts of formaldehyde per million parts air.

(5) Formaldehyde Emission (Corrected) is Formaldehyde concentration corrected to 25°C and 50% Relative Humidity.

Reference Limit:

Maximum permissible limit according to 40 CFR Part 770.10:

Table 1: Formaldehyde Emission Standards(ppm) for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)				
HWPW-VC	HWPW-CC	PB	MDF	Thin MDF
0.05	0.05	0.09	0.11	0.13
HWPW-VC = Veneer Core; HWPW-CC = Composite Core.				

Maximum permissible limit according to Section 93120.2(a), Title 17, California Code of Regulation:

Table 1: Phase 1 and Phase 2 Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)					
Effective Date	Phase 1(P1) and Phase 2(P2) Emission Standards(ppm)				
	HWPW-VC	HWPW-CC	PB	MDF	Thin MDF
1-1-2009	P1:0.08	-----	P1:0.18	P1:0.21	P1:0.21
7-1-2009	-----	P1:0.08	-----	-----	-----
1-1-2010	P2:0.05	-----	-----	-----	-----
1-1-2011	-----	-----	P2:0.09	P2:0.11	-----
1-1-2012	-----	-----	-----	-----	P2:0.13
7-1-2012	-----	P2:0.05	-----	-----	-----
HWPW-VC = Veneer Core; HWPW-CC = Composite Core.					

Sample Conditioning / Parameters			
Average Temperature (°C)	24.0	Average Relative Humidity (%)	50.0
Range of Temperature (°C)	21.0- 27.0	Range of Relative Humidity (%)	45.0 – 55.0
Sampling Time (hour)	168	Formaldehyde background (ppm)	< 0.1



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Sample Details and Apparatus			
Chamber Dimensions (m)	1.578 x 0.8 x 0.8 or 1.56 x 0.8 x 0.8 (Nominal)		
Chamber Volume (m ³)	1.0	Chamber Load Ratio (m ² /m ³)	0.6399 (Particleboard, Hardwood Plywood Panels) / 0.3937 (MDF) / 1.4259(Hardwood Plywood Wall Paneling)/ 0.1968(Particleboard Door Core)
Chamber Q/A Ratio (±2%)	1.172 (Particleboard, Hardwood Plywood Panels) / 1.905 (MDF) / 0.526 (Hardwood Plywood Wall Paneling) / 3.811 (Particleboard Door Core)		
Sample Size	32.3 cm x 33 cm (Particleboard, Hardwood Plywood Panels) / 25.6 cm x 25.6 cm (MDF) / 35 cm x 68 cm (Hardwood Plywood Wall Paneling) / 18.1 cm x 18.1 cm (Particleboard Door Core)		
Number of Samples	3	Number of Exposed Surfaces	6
Sampling Parameters of Emission Test			
Average Temperature (°C)	25.0	Average Relative Humidity (%)	50.0
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 background (ppm)	< 0.01



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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.



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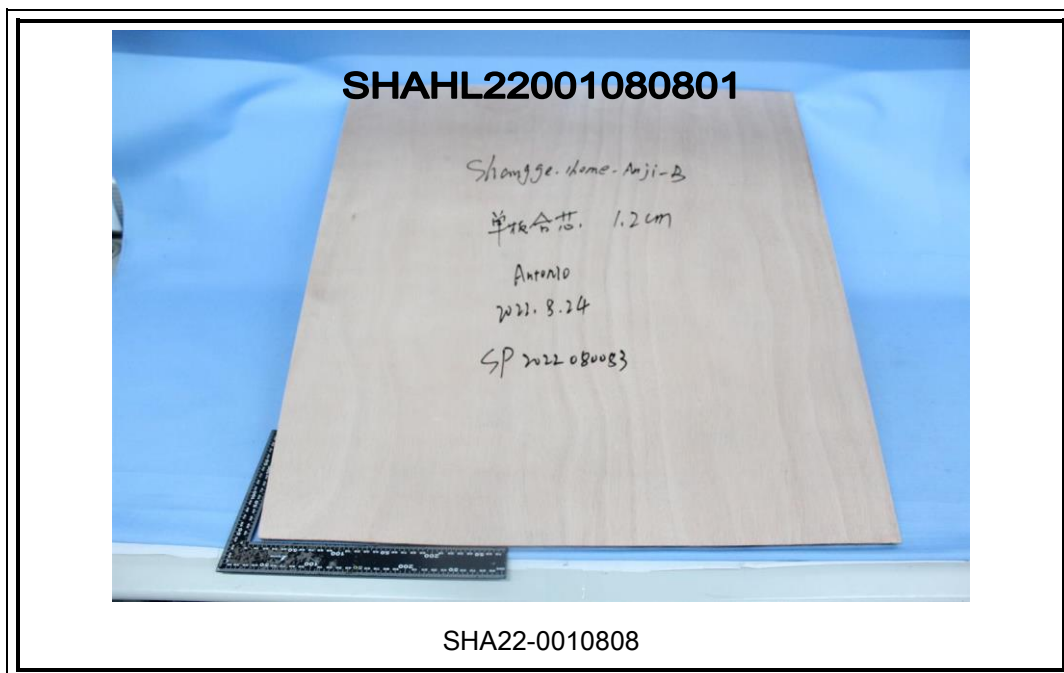
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Sample Photo:



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