

# Test Report

No.: SHAIN24016071901

Date: Aug 05, 2024

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Client Name: USA WORLDWIDE DOOR COMPONENTS ( PINGHU ) CO., LTD.

Client Address: No. 588 Xingping No. 4 Road, Pinghu Economic Development Zone, Zhejiang, China 314200

Sample Name: Composite Door Jamb

Manufacturer: USA WORLDWIDE DOOR COMPONENTS ( PINGHU )CO., LTD.

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

SGS Job No.: SHIN2407001700CM01

Sample Receiving Date: Jul 18, 2024

Testing Period: Jul 18, 2024 ~ Jul 31, 2024

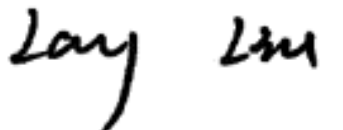
Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
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 (Shanghai) Co., Ltd.



Lancy Liu  
Approved Signatory

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Testing Center-China

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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	SHA24-0160719-0001.C001	White/brown solid board

### 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 D6007-22 and Standard Face and Back Configuration testing therein, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	001
Formaldehyde Background	-	ppm	0.01	ND
Formaldehyde Emission	-	ppm	0.01	ND
Formaldehyde Emission (Corrected)	0.05	ppm	0.01	ND
<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



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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
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

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
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 <sup>3</sup> )	1.0	Chamber Load Ratio (m <sup>2</sup> /m <sup>3</sup> )	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	1	Number of Exposed Surfaces	2
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

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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Sample Photo:



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



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