

Test Report

No.: SHARS25014855401

Date: Jul 07, 2025

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Client Name: PoliLam Co.Ltd.

Client Address: 4845 Homestead Rd., Suite 516, Houston, Texas 77028

Sample Name: PoliLam High Pressure Laminate

Material: Paper ,resin

Colour: white

Composition: Paper ,resin

Thickness: 1.0mm

Density: 1398Kg/m3

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

SGS Job No.: SHRT25000055S02

Sample Receiving Date: Jun 17, 2025

Testing Period: Jun 17, 2025 ~ Jul 01, 2025

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
US EPA 40 CFR Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Lilac Wei
Approved Signatory

Scan to see the report



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

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA25-0148554-0001.C001	Beige solid board

Remarks:

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

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, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A1
Sample Conditioning / Parameters				
Average Temperature	-	°C	-	23.0
Average Relative Humidity	-	%	-	50.0
Range of Temperature	-	°C	-	21-27
Range of Relative Humidity	-	%	-	45-55
Sampling Time	-	h	-	168
Formaldehyde Background	-	ppm	-	<0.10
Sample Details and Apparatus				
Chamber Dimensions(Nominal)	-	m	-	1.578x0.8x0.8
Chamber Volume	-	m ³	-	1.0
Chamber Load Ratio	-	m ² /m ³	-	0.6399
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	-	%	-	50.0
Range of Temperature	-	°C	-	24-26
Range of Relative Humidity	-	%	-	46-54
Air-sampling Time	-	min	-	30
Sampling Time in Chamber	-	min	-	240
Air-sampling Rate	-	L/min	-	1.0
Formaldehyde Emission Results				
Formaldehyde Background	-	ppm	0.01	ND
Formaldehyde Emission	-	ppm	0.01	ND
Formaldehyde Emission (Corrected)	0.05	ppm	0.01	ND

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.



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Chemical Laboratories

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
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- (3) The scope of 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 TSCA Title VI. Full conformity of a composite wood product happens provided that this composite wood fulfill all the requirement as stated in US EPA 40 CFR Part 770.10.

Reference Limit:

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

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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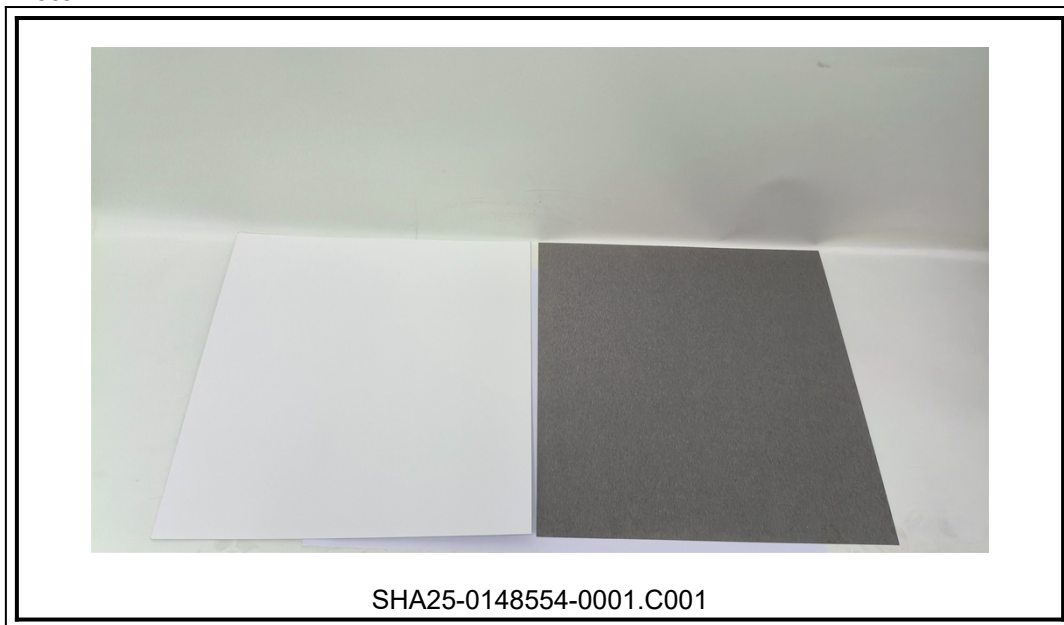
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Sample Photo:



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