

# Test Report

No. SHAEC1728505801

Date: 10 Jan 2018

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RENEWMATERIAL(JIANGSU) COMPANY LIMITED

No.8, KAIYUAN ROAD, JIANGYAN ECONOMIC DEVELOPMENT ZONE JIANGSU CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : STRAW BOARD

SGS Job No. : SP17-043644 - SH  
 Date of Sample Received : 27 Dec 2017  
 Testing Period : 27 Dec 2017 - 10 Jan 2018  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

## Result Summary :

Test Requested	Conclusion
Asbestos	See Results
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 Table 1-Formaldehyde Emission	PASS

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



Serena Wang  
 Approved Signatory



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Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA17-285058.001	Natural solid block

Remarks :

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

### Asbestos

Test Method : With reference to NIOSH 9000:2015 and ISO 22262-1:2012, analysis was performed by X-ray diffractometer (XRD) and Polarized light microscope (PLM).

Test Item(s)	CAS NO.	Unit	MDL	001
Actinolite	77536-66-4	%	0.1	Negative
Amosite	12172-73-5	%	0.1	Negative
Anthophyllite	77536-67-5	%	0.1	Negative
Chrysotile	12001-29-5	%	0.1	Negative
Crocidolite	132207-32-0 12001-28-4	%	0.1	Negative
Tremolite	77536-68-6	%	0.1	Negative

Notes :

- (1) Negative = the absence of asbestos, Positive = the presence of asbestos.

### 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 Table 1-Formaldehyde Emission

Test Method : With reference to ASTM D6007-2014, analysis was performed by UV-Vis.



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Test Item(s)	Limit	Unit	MDL	001
Formaldehyde Emission	★	ppm	0.01	ND
Conclusion				PASS

Notes :

- (1) The scope of CARB ATCM is applicable for composite wood, but not for other wood products.
- (2) Formaldehyde emission test is one of the conformity criteria under CARB ATCM. 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.
- (3) ppm = parts of formaldehyde per million parts air
- (4) ★ = See Table 1

Reference Limit:

Maximum Permissible Limit according to Section 93120.2, 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.					



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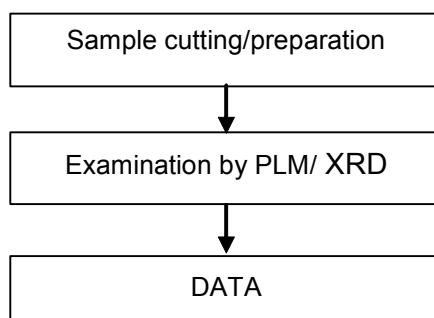
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## ATTACHMENTS

### Asbestos Testing Flow Chart

- 1) Name of the person who made testing: Anne Huang
- 2) Name of the person in charge of testing: Zirco Yu



Sample photo:



SGS authenticate the photo on original report only

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



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