

Test Report

No. SHAHG1503451601

Date: 19 Mar 2015

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LINYI COOPERACCESS WOOD INDUSTRY CO.,LTD
INDUSTRIAL PARK, YOU VILLAGE, YITANG TOWN, LINYI, SHANDONG, CHINA

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

SGS Job No. : SHHG1503006679FT - SH
Buyer : ARK FLOORS INC
Manufacturer : A&W (SHANG HAI)WOODS CO.,LTD
Date of Sample Received : 09 Mar 2015
Testing Period : 09 Mar 2015 - 18 Mar 2015
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).
Conclusion : When tested as specified, the formaldehyde emission level of submitted sample(s) pass the phase 2 formaldehyde emission level as specified in CARB ATCM section 93120.2(a) and Table 1.

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	SHA15-034516.001	Natural plywood

Product test of Formaldehyde Emission

Test Requested : As per client's request, evaluation of formaldehyde emission level according to 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.

Test Method : With reference to Secondary Test Method (reference): ASTM D 6007 - 02 (Reapproved 2008), analysis was performed by UV-Vis.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Formaldehyde Emission– Trial 1	ppm	0.01	0.02
Formaldehyde Emission– Trial 2	ppm	0.01	0.02
Formaldehyde Emission– Trial 3	ppm	0.01	0.02
Formaldehyde Emission– Average	ppm	0.01	0.02

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.



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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.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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