



**ASTM D6007-14 Small Chamber Testing of
 Panel Products
 CARB Program Formaldehyde Emission Test For
 HARDWOOD FLOORING LIQUIDATORS INC**

General

The PFS Corporation CARB Program China testing Lab, Shanghai Hongjun Science & Technology Co.,Ltd ,performed client requested formaldehyde emission test of panel products according to general guidelines of ASTM D6007-14, “*Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small Scale Chamber.*”

Sample Information

The following sample information were supplied by applicant:

Manufacturer: HARDWOOD FLOORING LIQUIDATORS INC
 Mfg. Add: 2250 YATES AVE.COMMERCE,CA 90040 UNITED STATES
 Mfg. Date: N/A
 Lot No. : N/A

Sample Type: MDF
 Received Date: April 25 , 2016
 Off-gas: No(per client request)

Sample Description: LAMINATE FLOORING HDF-REUR785-8-MICHIGAN AVENUE

Test Specimen Data

The sampled were received individually wrapped and shipped. The samples remained sealed and stored in a room maintained at 50% RH, 70°F prior to testing. The formaldehyde background concentration in the air where the specimens were conditioned was documented at <0.01 ppm.

Test Method and Results

Prior to placing the test samples in the chamber, the chamber door was closed and the formaldehyde background concentration of air in the chamber was measured at <0.01 ppm. The samples were placed in the chamber with all edges sealed with aluminum tape. The chamber (volume = 6.92 cu ft) was maintained at 0.5 ACH for 150 minutes. The formaldehyde concentration of make-up air was measured at <0.01 ppm. After 120 minutes, air samples were drawn at a rate of one (1) L/minute for 30 minutes. Emission values were determined with spectrophotometer analysis. The ASTM D6007-14 absorbance readings are corrected to an emission level at standard conditions (50% RH and 77 °F). The ASTM E1333-96 (Reapproved 2002) test result is based on correlation with the ASTM D6007-14 corrected emission levels. Test data for each sample is provided below.

Test Date	Sample Markings	ASTM D6007 DATA								ASTM E1333	
		Sample Thickness (mm)	Sample Size	Edge Sealed	Chamber Q/L ratio	Ratio (m/h)	Bar Press (in.Hg)	Temp. (F)	Relative humidity (%)	Formaldehyde Emissions (ppm)	
										Corrected to Std. Cond.	Corrected Values
05/03/2016	URBANICA COLLECTION	8.3	(1) 2*6in	Yes	0.24	2.07	28.8	77.8	51.3	0.06	0.06

The ASTM D6007-14 test result meets the CARB 93120, Table1, Phase2 limitation of 0.11ppm for MDF.

Note:

- a) See Appendix for the received samples, and the received samples was composite flooring which including MDF. According to the requirement of the applicant, the lab cut the samples and tested per ASTM D6007 with remove the flooring face coat.
- b) The testing result should be effective only to the sample as shown in appendix pictures.

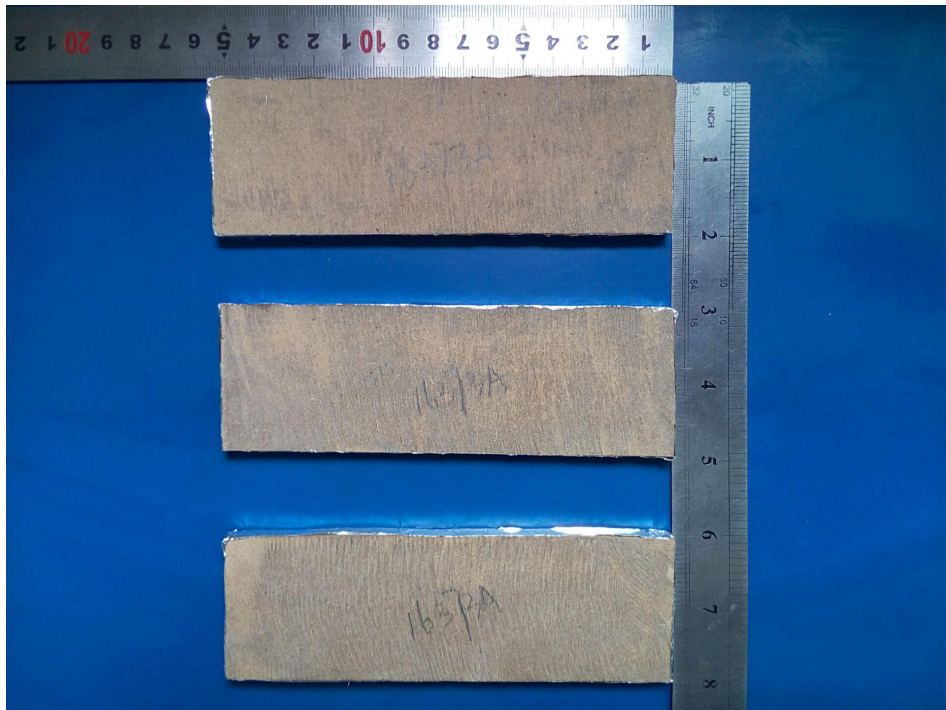
TEST REPORT DUPLICATION

This test report shall not be reproduced, except in full, without the written approval of PFS Corporation.

Report by Jennifer Lonng
 Lab Operator

Reviewed by Steven Lano
 Authorized Signatory

Test Report Appendix---Sample Pictures



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