



上海宏骏科技有限公司
Shanghai Hongjun Science & Technology Co., Ltd.



报告编号 Report No.: HJ-QAT-221153

第 1 页 共 4 页

ASTM D6007-14 人造板小气候箱甲醛释放量检测

ASTM D6007-14 Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber

CARB P2-TSCA Title VI

检 测 报 告

委托单位 Applicant	宿迁市久丰木制品厂 Suqian Jiufeng Wood Products Co., Ltd.
工厂编号 Mill No.	ICTT-17140
样品类型 Sample Type	单板芯的硬木胶合板 HWPW-VC
检测类别 Test Purpose	定期检测 Quarterly Test
签发日期 Report Date	2022-07-12

Shanghai Hongjun Science & Technology Co., Ltd is California Air Resources Board (CARB) & EPA approved as a

subcontractor testing laboratory for the



ICTT Corporation—CARB & EPA TPC-43



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第 3 页 共 4 页

样品信息 Sample Information

生产单位 MFG Name	宿迁市久丰木制品厂 Suqian Jiufeng Wood Products Co., Ltd.			
委托单位 Applicant	宿迁市久丰木制品厂 Suqian Jiufeng Wood Products Co., Ltd.			
样品类型 Sample Type	HWPW-VC	树种类型 Wood Material	杨树 Poplar	
	表面处理 Surface Coated: 是 Yes <input type="checkbox"/> 否 No <input checked="" type="checkbox"/>		单面 Single <input type="checkbox"/>	双面 Double-side <input type="checkbox"/>
样品规格及数量 Sample Quantity & Size	150*250mm 3Sets (3 PCS / Set)		样品厚度 Sample Thickness	10mm-9plies
生产日期 Production Date	2022-05-30	采样日期 Sample Date	2022-06-13	收样日期 Sample Received
产品/批次号 Product/Batch ID	20220530	样品描述 Sample Description		Sampled by SHST representative in accordance with ATCM regulation and sampling procedure
样品包装状态 Sample Packaging Status: 密封完好 Packaging well while received.				
检测项目 Test Item	甲醛释放量 (小气候箱法) Formaldehyde Emission (Small-Scale Chamber)			
检测依据 Test Standard	ASTM D6007-14: Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber			
判定依据 Conformity Standard	美国联邦法案 40 CFR Part 770(EPA TSCA Title VI)第§770.10 及加州空气资源局 93120 法规			
检测日期 Test Date	2022-07-04		报告日期 Report Date	2022-07-12
检测结论 Conclusion	<p>送检的样品经检测 The samples had been tested:</p> <p>甲醛释放量 (小气候箱法) 参照 ASTM D6007-14 标准进行检测, 检测结果参见第 4 页。 Formaldehyde emission per ASTM D6007-14(small chamber), see test result on page four.</p> <p>详见检测信息 See test data .</p> <p style="text-align: right;">检测单位 (检测专用章) Testing unit (special seal for testing)</p>			
备注 Note	<p>1.样品信息由委托单位提供。 Applicant to provide the information of the sample.</p> <p>2.根据标准要求, 样品平衡时间为 7 天。 According to the test standard, the sample conditioning costs 7 days.</p>			





检测信息 Test Data

样品在检测前封边放置在温度为 24±3℃(75±5°F)和相对湿度为 50±5%的箱体内部调节, 样品调节的箱体甲醛背景浓度低于 0.10ppm.

The samples were covered the edges with aluminum tape and stored in a room maintained at 50±5% RH, 24±3℃(75±5°F) prior to testing. The formaldehyde background concentration in the air where the specimens were conditioned was documented at <0.10 ppm.

然后将样品放入甲醛背景浓度低于 0.02ppm 的气候箱 (体积为 0.2 m³) 中, 气候箱维持 25±1℃湿度 50±4%, 进气的甲醛浓度低于 0.02ppm 至少 3 次完全空气置换后, 以每分钟 1 升的速度采箱体内部空气 30 分钟, 以分光光度计 7230G 进行分析。甲醛释放量值修正到相对湿度 50%, 温度 77°F 的标准值。

Then put the sample into the chamber (volume = 0.2 m³), and which was maintained at 25±1℃ and 50±4%. The formaldehyde concentration of make-up air and the chamber were both measured at <0.02 ppm. After allow time for no less than three full air changes, air samples were drawn at a rate of one (1) L/minute for 30 minutes. Emission values were determined with spectrophotometer analysis 7230G. The Formaldehyde Emissions are corrected to an emission level at standard conditions (50% RH and 77 °F).

样品编号 Sample No.	箱编号 Small Chamber Test No.	检测日期 Test Date	箱 Q/A 值 Chamber Q/A Ratio	厚度 Thickness	暴露面积 Total Exposed Area	平均进 气流量 Flow	时间 Time	温度 Temp.	相对 湿度 RH	甲醛释放量 Formaldehyde Emission
			(m ³ /h) /m ²	(mm)	(m ²)	(L/min)	(h)	(°C)	(%)	(ppm)
221153-1	HX119	2022-07-04	1.173	10	0.225	4.40	2.83	25.8	53.0	0.036
221153-2	HX813	2022-07-04	1.172	10	0.225	4.40	2.83	24.8	53.3	0.038
221153-3	HX1#	2022-07-04	1.174	10	0.225	4.40	2.83	25.7	52.9	0.047

平均值 Average

0.040

ASTM D6007-14 检测结果满足美国联邦法案 40 CFR Part 770(EPA TSCA Title VI)第§770.10 及加州空气资源局 93120 法规表格一中要求的单板芯的硬木胶合板第二阶段 0.05ppm 的限值要求。

The ASTM D6007-14 test results meet the §770.10 of 40 CFR Part 770 (EPA TSCA Title VI) & CARB 93120, Table1, Phase 2 limitation of 0.05ppm for HWPW-VC.

附注 Note:

1. ASTM D6007-14 甲醛释放量检测在本实验室方法检出限(MDL)为 0.004ppm, 低于 0.004ppm 视为未检出。The method detection limit in our laboratory for this method is 0.004ppm, Thus if the test result is less than 0.004ppm, it is regarded as not detect out HCHO.

2. 客户申请的测试判定规则为: IEC Guide 115:2007 第二程序-准确度法, 不需要考虑不确定度。The applicable decision rules of this test are: IEC Guide 115:2007 Procedure 2 - Accuracy method, do not subject to measurement uncertainty.

批准 Approved: 龙巧 审核 Audit: 杨映新 编制 Prepared: 白彦

日期 Date: 2022-07-12 日期 Date: 2022-07-12 日期 Date: 2022-07-12

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