



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

检 测 报 告

委托单位: 山东菏泽茂盛木业有限公司

Applicant: Heze Maosheng Wood Products Co., Ltd.

工厂编号 Mill No: ICTT-17056

样品类型: 刨花板

Sample Type: PB

检测类别: 定期检测

Test Purpose: Quarterly Test

签发日期 Report Date: 2018-07-06

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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If there is any objection to the testing report, it should be presented to the testing institution within 5 days from the date of receiving the test report. The objection shall not be accepted after the expiry of the prescribed time limit.

公司注册地址 Registration address: 上海市闵行区光华路 598 号 3 幢 1 楼 103-9

检测地址 Test address: 重庆市江北区港安二路 8 号 3 号楼 6F

邮政编码 Post code : 400014

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报告编号 Report No.: HJ-QAT-18702

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样品信息 Sample Information

生产单位 MFG Name	山东菏泽茂盛木业有限公司 Heze Maosheng Wood Products Co., Ltd.				
委托单位 Applicant	山东菏泽茂盛木业有限公司 Heze Maosheng Wood Products Co., Ltd.				
样品类型 Sample Type	PB		树种类型 Wood Material		N/A
	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 checked="" type="checkbox"/>				
样品规格及数量 Sample Quantity & Size	150*250mm 1Set (3 PCS / Set)		样品厚度 Sample Thickness		18mm
生产日期 Production Date	2018-06-20	采样日期 Sample Date	2018-06-22	收样日期 Sample Received	2018-06-27
产品/批次号 Product/Batch ID	N/A	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 Pacaging well while received.					
检测项目 Test Item	甲醛释放量 (小气候箱法)				
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				
检测日期 Test Date	2018-07-04		报告日期 Report Date		2018-07-06
检测结论 Conclusion	送检的样品经检测 The samples had been tested: 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 in page four. 详见检测信息 See test data . 检测单位 (检测专用章)				
备注 Note	1. 样品信息由委托单位提供。 Applicant to provide the information of the sample. 2. 根据委托单位要求, 样品平衡时间为 7 天。 Per applicant requirement, samples off gas 7 days.				





检测信息 Test Data

样品在检测前封边后放置在温度为 $24\pm 3^{\circ}\text{C}$ ($75\pm 5^{\circ}\text{F}$) 和相对湿度为 $50\pm 5\%$ 的箱体内存放, 样品调节的箱体甲醛背景浓度低于 0.10ppm .

The samples remained sealed and stored in a room maintained at $50\pm 5\%$ RH, $24\pm 3^{\circ}\text{C}$ ($75\pm 5^{\circ}\text{F}$) prior to testing. The formaldehyde background concentration in the air where the specimens were conditioned was documented at $<0.10\text{ppm}$.

然后将样品放入甲醛背景浓度低于 0.02ppm 的气候箱 (体积为 0.2m^3) 中, 气候箱维持 $25\pm 1^{\circ}\text{C}$ 湿度 $50\pm 4\%$, 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 升的速度采箱体内空气 60 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 = 0.2m^3), and which was maintained at $25\pm 1^{\circ}\text{C}$ and $50\pm 4\%$. The formaldehyde concentration of make-up air and the chamber were both measured at $<0.02\text{ppm}$. After allow time for no less than three full air changes, air samples were drawn at a rate of one (1) L/minute for 60 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).

检测 编号 Test 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/h)	(mm)	(m^2)	(L/min)	(h)	($^{\circ}\text{F}$)	(%)	(ppm)
18702	1#	2018-07-04	1.174	18	0.225	4.40	3.33	78.9	55.0	0.05

ASTM D6007-14 检测结果满足加州空气资源局 93120 法规表格一及美国联邦法案 40 CFR Part 770 第 § 770.10 中要求的刨花板第二阶段 0.09ppm 的限值要求。

The ASTM D6007-14 test result meets the CARB 93120, Table1, Phase 2 & § 770.10 of 40 CFR Part 770 limitation of 0.09ppm for PB.

附注 Note:

批准 Approved: 刘北

审核 Audit: 唐建

编制 Prepared: 龙巧

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-----报告结束 Report End-----