

11 Functionality Test Reports

English Reference Translation

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Prepared: 15 October 2026

Test Report

Report No.: A2260207295101001C

Field	Information
Company	Hubei Kaijie New Environmental Protection Materials Co., Ltd.
Address	Park Road 2, Economic Development Zone, Yuyue Town, Jiayu County, Xianning City, Hubei Province, China
Sample	Bamboo-wood fiber: Jingang wood decorative panels, water-based bamboo-scented wood decorative panels, bamboo-scented impact-resistant panels, wood decorative wall panels, carbon crystal panels, grilles, Great Wall panels, acoustic panels, ceilings and square timber.
Control No.	S360272072
Accreditation marks	CMA 210900341277; CNAS L5541; ilac-MRA; China accreditation / international mutual recognition / testing
Date received	2026.02.09
Test period	2026.02.09-2026.03.27
Approved by	Zhou Hongxia, Authorized Signatory
Approval date	2026.03.27

The samples and sample information below were supplied and confirmed by the applicant. Tests were performed as requested by the client; see subsequent pages for the requirements.

Shanghai CTI Product Standard Testing Co., Ltd. | No. 1351 Wanfang Road, Minhang District, Shanghai, China

Test Summary

Item / requirement	Result
JG/T 579-2021, Prefabricated integrated wall surfaces for buildings - vinyl chloride monomer	Conforms
GB/T 24137-2009, Wood-plastic decorative panels, 6.1 - Appearance quality #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.2 - Dimensions and tolerances #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.2 - Moisture content #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.3 - Flexural strength #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.3 - Flexural modulus #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.6 - Shore hardness (HD) #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.7 - Thickness swelling after water absorption #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.12 - Surface resistance to staining and corrosion #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.13 - Resistance to artificial weathering #	See results page
GB/T 24137-2009, Wood-plastic decorative panels, 6.3.8 - Peel force #	See results page

Conforms (does not conform) means the result meets (does not meet) the specified limit. Detailed results follow.

Vinyl Chloride Monomer

1.1 JG/T 579-2021, Prefabricated integrated wall surfaces for buildings. Test method: GB/T 4615-2013.
Instrument: HS-GC-FID.

Test item	Sample 001 result	Method detection limit	Limit	Unit
Vinyl chloride monomer	N.D.	0.1	5	mg/kg

N.D. = not detected (below the method detection limit). mg/kg = ppm = parts per million. According to the client's declaration, the submitted product is classified as other integrated wall panels - bamboo (wood)-plastic, for harmful-substance limits.

Sample / component description: No. 1; CTI Sample ID 001; pale-yellow solid.

Physical and Mechanical Results

2.1 GB/T 24137-2009, Wood-plastic decorative panels.

Item	Requirement	Result (001)	Assessment
Appearance: cracks #	Not permitted	None	Pass
Scratches #	Minor; length ≤ 10 mm; ≤ 2 per m ²	None	Pass
Blisters #	Not permitted	None	Pass
Insufficient-material marks #	Not permitted	None	Pass
Non-process-related unevenness #	Not permitted	None	Pass
Damaged edges / corners #	Not permitted	None	Pass
Color difference #	Basically uniform within a batch; as agreed by supplier and purchaser	Basically uniform within a batch	Pass
Surface dents #	One inconspicuous dent per m ² permitted	None	Pass
Thickness: nominal vs mean, absolute difference # (mm)	≤ 0.5	0.2	Pass
Thickness: maximum minus minimum # (mm)	≤ 0.5	0.1	Pass
Moisture content # (%)	≤ 2.0	0.3	Pass
Mean flexural strength # (MPa)	≥ 20.0	23.1	Pass
Minimum flexural strength # (MPa)	≥ 16.0	17.7	Pass
Flexural modulus # (MPa)	≥ 1800	2226	Pass
Shore hardness (HD) #	≥ 55	64.8	Pass
Thickness swelling after water absorption # (%)	≤ 0.5	0.1	Pass
Surface staining / corrosion resistance #	No staining or corrosion	No staining or corrosion	Pass
Artificial weathering, 300 h: flexural strength retention # (%)	≥ 80	93	Pass
Artificial weathering, 300 h: light colorfastness (gray scale) # (grade)	≥ 3	3	Pass
Peel force # (N)	≥ 40	43	Pass

Sample Description and Notes

Sample No. 1; CTI Sample ID 001; pale-yellow solid.

indicates that this test was performed by Suzhou CTI Testing Co., Ltd. The data in this report are intended for scientific research, teaching, internal quality control and product research and development.

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End of report.

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检测报告

报告编号 A2260207295101001C

第 1 页 共 6 页

报告抬头公司名称 湖北开杰新型环保材料有限公司
地 址 湖北省咸宁市嘉鱼县鱼岳镇经济开发区园区二路

以下测试之样品及样品信息由申请者提供并确认

样品名称 竹木纤维：（金刚木木饰面、水性竹香木木饰面、竹香木防撞板、木饰面护墙板、
碳晶板、格栅、长城板、吸音板、天花、方木）
样品接收日期 2026.02.09
样品检测日期 2026.02.09-2026.03.27

测试内容：

根据客户的申请要求，具体要求详见下一页。



批 准

周 红 霞

日 期

2026.03.27

周红霞
授权签字人



上海华测品标检测技术有限公司

No. S360272072

上海市闵行区万芳路 1351 号

检测报告

报告编号 A2260207295101001C 第 2 页 共 6 页

测试摘要:

测试要求

- 1. JG/T 579-2021 建筑装配式集成墙面
- 氯乙烯单体
- 2. GB/T 24137-2009 《木塑装饰板》
 - 外观质量#
 - GB/T 24137-2009 《木塑装饰板》第 6.1 条规格尺寸及偏差#
 - GB/T 24137-2009 《木塑装饰板》第 6.2 条含水率#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.2 条抗弯强度#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.3 条抗弯弹性模量#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.3 条邵氏硬度（HD）#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.6 条吸水厚度膨胀率#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.7 条表面耐污染腐蚀#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.12 条抗人工气候老化#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.13 条剥离力#
 - GB/T 24137-2009 《木塑装饰板》第 6.3.8 条

测试结果

符合

见结果页

见结果页

见结果页

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符合(不符合)表示检测结果满足(不满足)限值要求。

*****详细结果，请见下页*****

检测报告

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1.1 JG/T 579-2021 建筑装配式集成墙面

▼ 氯乙烯单体

测试方法：GB/T 4615-2013；测试仪器：HS-GC-FID

测试项目	结果	方法检出限	限值	单位
	001			
氯乙烯单体	N.D.	0.1	5	mg/kg

备注：

- N.D. = 未检出 (小于方法检出限)
- mg/kg = ppm = 百万分之一
- 根据客户声明，送测产品为其他集成墙面板有害物质限量-竹（木）塑。

样品/部位描述

序号	CTI 样品 ID	描述
1	001	淡黄色固体

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2.1 GB/T 24137-2009 木塑装饰板

序号	检测项目		单位	技术要求	结果	单项评定	
					001		
1	外观质量 [#]	开裂		—	不允许	无	合格
		划痕		—	轻微, 且长度不大于10mm, 每平方米不超过 2 处	无	
		鼓泡		—	不允许	无	
		亏料痕迹		—	不允许	无	
		非工艺性凹凸不平		—	不允许	无	
		边角缺损		—	不允许	无	
		颜色差异		—	同批板材基本一致, 可由供需双方商定	同批板材基本一致	
		表面压痕		—	每平方米允许有一处不明显压痕	无	
2	规格尺寸及偏差 [#]	厚度	公称厚度与平均厚度之差绝对值	mm	≤0.5	0.2	合格
			最大值与最小值之差	mm	≤0.5	0.1	
3	含水率 [#]			%	≤2.0	0.3	合格
4	抗弯强度 [#]	平均值		MPa	≥20.0	23.1	合格
		最小值		MPa	≥16.0	17.7	
5	抗弯弹性模量 [#]			MPa	≥1800	2226	合格
6	邵氏硬度（HD） [#]			—	≥55	64.8	合格
7	吸水厚度膨胀率 [#]			%	≤0.5	0.1	合格
8	表面耐污染腐蚀 [#]			—	无污染无腐蚀	无污染无腐蚀	合格
9	抗人工气候老化 [#]	300h	抗弯强度保留率	%	≥80	93	合格
			耐光色牢度（灰色样卡）	级	≥3	3	
10	剥离力 [#]			N	≥40	43	合格

检测报告

报告编号 A2260207295101001C第 5 页 共 6 页

样品/部位描述

序号	CTI 样品 ID	描述
1	001	淡黄色固体

注释:

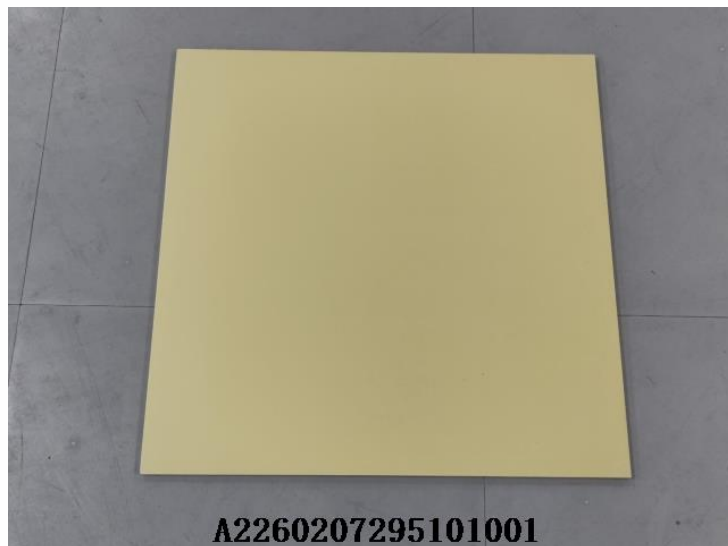
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检测报告

报告编号 A2260207295101001C

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样品图片



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