TEST REPORT

Report No:	**ST20250717003**
Sample Name:	**Solid Wood Boards**
Authorized By:	**Cao County Hengyu Woods Co., Ltd.**
Test Type:	**Commissioned Test**
Report Date:	**July 25, 2025**

Approved by: Hedy

STAR-TECH（Shenzhen）Co., Ltd.

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Scan the QR code to follow

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Client Name	:	Cao County Hengyu Woods Co., Ltd.
Client Address	:	Taoyuan Town, Cao County, Heze, Shandong, China
Sample Name	:	Solid Wood Boards
Brand	:	/
Specification/Model	:	Paulownia Wood
Series model	:	Plywood, Poplar Wood, Blockboard, Pine Wood, Particle Board,Taekwondo Board, Wall Panels, Solid Wood Boards, Finger-Jointed Lumber, Medium Density Fiberboard
Sample Number	:	ST0717003
Sample Received Date	:	July 17, 2025
Test Period	:	July 17, 2025~July 22, 2025

Summary of test results:

TEST REQUEST	**CONCLUSION**
According to the client requirements, the Restriction of the Use of Certain Hazardous Substancesin accordance with Directive 2011/65/EU(RoHS) and its amendment Directive (EU)2015/863.	
(1) To determine Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(Vl) , Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs) content by screening test and chemical test	**PASS**
(2) To determine Phthalates (DBP, BBP, DEHP, DlBP) content by chemical test	**PASS**

Prepared by: Lang HuiLin Checked by: Zhou Jie

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Sample Photos

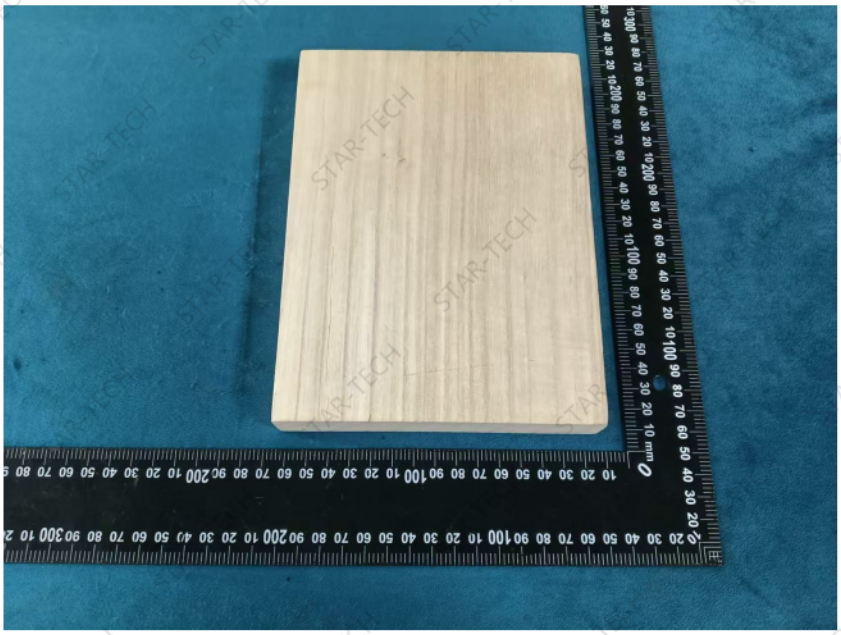

Figure 1. Sample photo

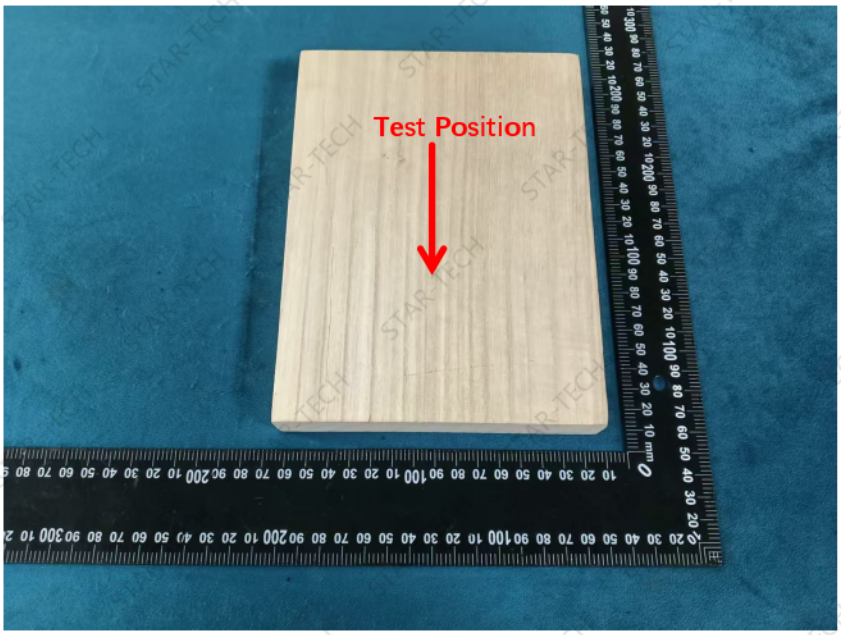

Figure 2.Disassembling photo

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1. Test Items

Test items
RoHS 10 items（Pb、Cd、Hg、Cr^{6+}、PBBs、PBDEs、DIBP、DBP、BBP、DEHP）

2. Test Method & Equipment

a. XRF Scan Test

Test method：IEC 62321-3-1:2013

Element Test	Polymer	Metal	Composite material
Pb	BL≤（700-3σ）＜X＜（1300+3σ）≤OL	BL≤（700-3σ）＜X＜（1300+3σ）≤OL	BL≤（300-3σ）＜X＜（1300+3σ）≤OL
Cd	BL≤（70-3σ）＜X＜（130+3σ）≤OL	BL≤（70-3σ）＜X＜（130+3σ）≤OL	LOD＜X＜（130+3σ）≤OL
Hg	BL≤（700-3σ）＜X＜（1300+3σ）≤OL	BL≤（700-3σ）＜X＜（1300+3σ）≤OL	BL≤（300-3σ）＜X＜（1300+3σ）≤OL
Cr	BL≤（700-3σ）＜X	BL≤（700-3σ）＜X	BL≤（300-3σ）＜X
Br	BL≤（300-3σ）＜X	/	BL≤（230-3σ）＜X

Explanation:

1、BL — Lower than XRF Scan Test

2、OL — Higher than XRF Scan Test，Further chemical tests are needed to confirm this

3、X — Samples within the XRF scan test value range require further chemical confirmation

4、3σ — It shows the repeatability of the analytical instrument

b. Chemical test

Test Items	Test Method	Test Equipment	MDL	Limit
Pb	IEC 62321-5:2013	ICP-OES	10mg/kg	1000 mg/kg
Cd	IEC 62321-5:2013	ICP-OES	10mg/kg	100 mg/kg
Hg	IEC 62321-4:2013/AMD 1:2017	ICP-OES	10mg/kg	1000 mg/kg
Cr^{6+}	IEC 62321-7-1:2015	UV-Vis	0.10 μg/cm²	-
	IEC 62321-7-2:2017	UV-Vis	10 mg/kg	1000 mg/kg
PBBs	IEC 62321-6:2015	GC-MS	-	1000 mg/kg
PBDEs	IEC 62321-6:2015	GC-MS	-	1000 mg/kg

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Test Items	Test Method	Test Equipment	MDL	Limit
DIBP	IEC 62321-8:2017	GC-MS	30 mg/kg	1000 mg/kg
DBP	IEC 62321-8:2017	GC-MS	30 mg/kg	1000 mg/kg
BBP	IEC 62321-8:2017	GC-MS	30 mg/kg	1000 mg/kg
DEHP	IEC 62321-8:2017	GC-MS	30 mg/kg	1000 mg/kg

3. Test Process

In appendix

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4. Test Results

Sample description	Items	Unite	XRF Scan results	Chemical Result (mg/kg)	Result
1 Wood	Pb	mg/kg	BL	N.D.	PASS
	Cd	mg/kg	BL	N.D.	
	Hg	mg/kg	BL	N.D.	
	Cr^{6+}	mg/kg	BL	N.D.	
	PBBs	mg/kg	BL	N.D.	
	PBDEs	mg/kg	BL	N.D.	
	DIBP	mg/kg	/	N.D.	
	DBP	mg/kg	/	N.D.	
	BBP	mg/kg	/	N.D.	
	DEHP	mg/kg	/	N.D.	

Remark:

1) 1 mg/kg = 1ppm = 0.0001%
2) MDL = Method Detection limit
3) N.D. = Not detected (<MDL)
4) "/"= No detection required

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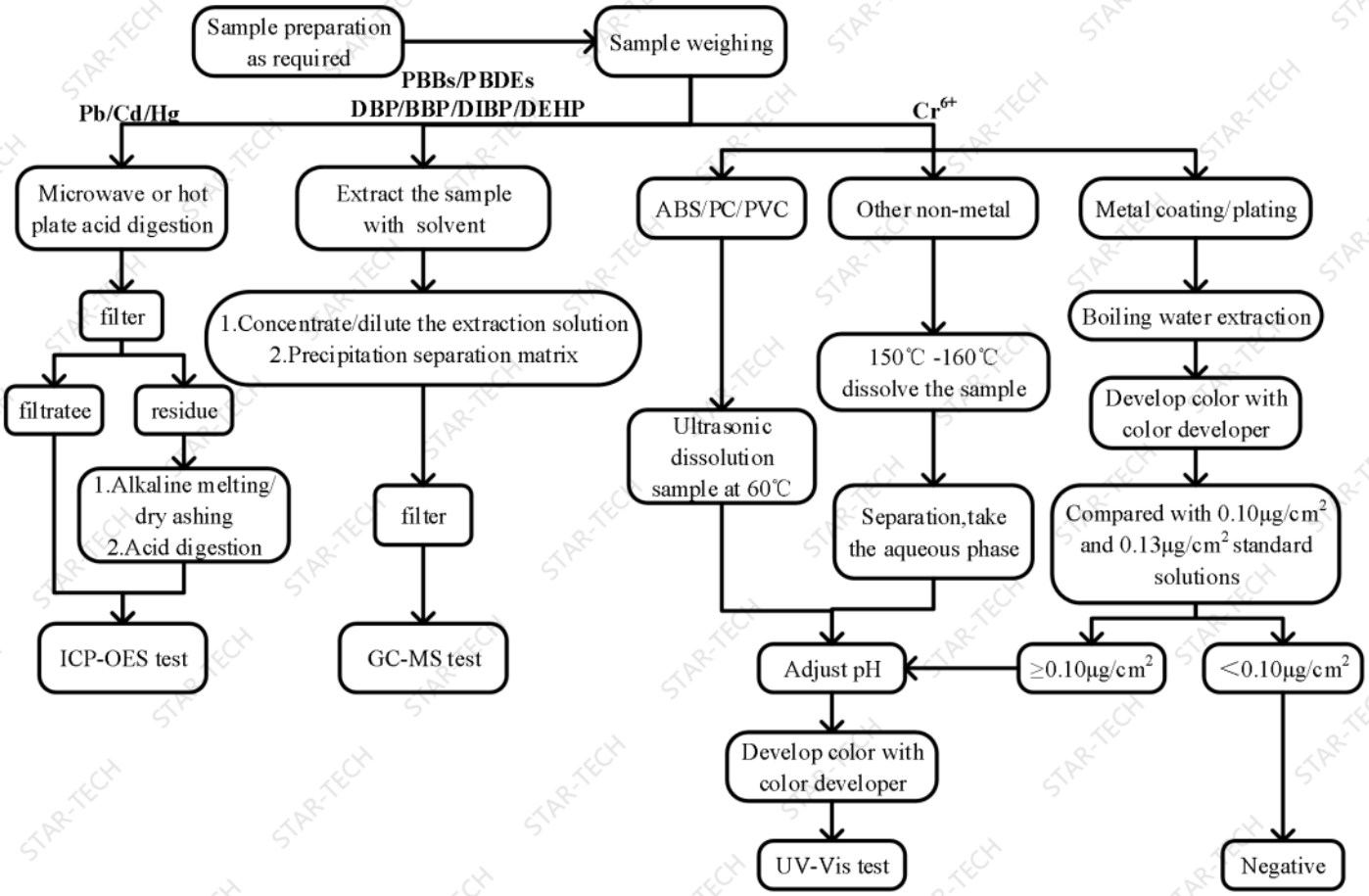
Appendix

The sample is processed according to the following process



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Test Report

Statement

1.The information listed on the first page of this test report, except the date of receipt, test date, test result and test conclusion, is provided by the client. The client shall be responsible for the representativeness of sample and authenticity of materials, for which STAR-TECH shall bear no responsibilities.

2.The test conclusion of this report are only applicable to the test samples submitted for inspection, and the samples submitted for inspection are only kept for 30 days, and the company does not bear other joint and several liabilities other than the test results.

3.The test report shall take effect only with the seal of the company, and this report shall not be deleted or modified.

4.This report shall not be reproduced in whole or in part without the written authorization of the Company.

5.Objection should be issued in 15 days upon receiving the report, overdue opinion is inadmissible.

6.If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

7.As specified by applicant, to test content in the selected materials of the submitted samples.