



中国认可  
国际互认  
检测  
TESTING  
CNAS L9381



# 检测报告

编号: ESZ2501210135T00101R

日期: 2025年02月17日

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委托单位 : 福建何适家居有限公司  
Applicant : Fujian Hisize Household Co.,Ltd.  
地址 : 仙游县鲤南工业园区内  
Address : Linan Industrial Park, Xianyou,Fujian

以下检测之样品及样品信息是由申请者提供并确认

The sample and sample information tested below are provided and confirmed by the applicant

样品名称 : PU漆系列竹木制品  
Sample Name : PU paint series bamboo and wood products  
型号 : /  
Model : /

接收日期 : 2025年01月21日  
Received Date : Jan. 21, 2025  
检测周期 : 2025年01月21日~2025年02月17日  
Test Period : Jan. 21, 2025~Feb. 17, 2025

检测概要 : 见下页  
Test Summary : Refer to next page

苏州市信测标准技术服务有限公司

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2025年02月17日

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检测概要 :  
Test Summary :

检测项目/Test Item	结论/Conclusion
GB 4806.12-2022 《食品安全国家标准食品接触用竹木材料及制品》-感官要求及理化指标 GB 4806.12-2022 “Food safety national standard Bamboo and wood materials and products” - Sensory requirements,Physical and chemical indicators	Pass
GB 4806.10-2016 《食品安全国家标准 食品接触用涂料及涂层》-感官要求及理化指标 GB 4806.10-2016 “National standard for food safety - Food contact with paint and coating” - Sensory requirements,Physical and chemical indicators	Pass

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

Remark: Pass: meet the requirement; Fail: Doesn't meet the requirement; N/A: Without conclusions or provide test results only.

## 检测结果汇总 Summary of Test Results

### 1. 食品接触用竹木材料及制品 Food contact Bamboo and wood materials and products

#### 1.1 检测方法 Test Method :

GB 31604.32-2016 《食品安全国家标准 食品接触材料及制品木质材料中二氧化硫的测定》第一法

GB 31604.32-2016 “National standard for food safety - food contact materials and wood materials and products Determination of sulfur dioxide” First method

GB 31604.8-2021 《食品安全国家标准 食品接触材料及制品 总迁移量的测定》

GB 31604.8-2021 “National standard for food safety - food contact materials and products Determination of total migration”

GB 31604.48-2016 《食品安全国家标准 食品接触材料及制品 甲醛迁移量的测定》

GB 31604.48-2016 “National standard for food safety - food contact materials and products Determination of Formaldehyde migration”

SN/T 2204-2015 《食品接触材料 木制品类 食品模拟物中五氯苯酚的测定 气相色谱-质谱法》

SN/T 2204-2015 “Food contact materials-Wood products-Determination of pentachlorophenol in food simulants-Gas chromatography-mass spectrometry”

GB 5009.156-2016 《食品安全国家标准 食品接触材料及制品迁移试验预处理方法通则》

GB 5009.156-2016 “National food safety standards - General rules for migration test pretreatment methods of food contact materials and products”

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## 1.2 检测结果 Test Result :

指标要求依据 GB 4806.12-2022 《食品安全国家标准 食品接触用竹木材料及制品》

Limit value reference to 4806.12-2022 “Food safety national standard Bamboo and wood materials and products ”

序号 No.	检测项目 Test Item		单位 Unit	限值 Limit	检测结果 Test Result	单项结论 Single Conclusion
					E2501210 135-01-T	
1	感官要求 Sensory	感官 Sensory	--	色泽正常, 无毛刺、虫蛀、异臭、霉斑或其他污物 Normal color, without burrs, insect infestations, odor, mold or other dirt	通过 Meet	符合 Pass
		浸泡液 Soaking solution	--	迁移试验所得浸泡液不应有沉淀、异臭、异常着色等感官性能的劣变 The soaking solution obtained from the migration test should not have any deterioration in sensory properties such as sedimentation, odor, or abnormal coloring	通过 Meet	符合 Pass
2	总迁移量 Overall migration	4% (体积分数) 乙酸 4% (Volume fraction) Acetic acid 100°C, 2h	mg/dm <sup>2</sup>	≤ 10	< 3.0	符合 Pass
3	甲醛迁移量 Migration of Formaldehyde	4% (体积分数) 乙酸 4% (Volume fraction) Acetic acid 100°C, 2h	mg/kg	≤ 15	< 0.3	符合 Pass
4	二氧化硫迁移量 Migration of sulfur dioxide	水 Water 100°C, 2h	mg/kg	≤ 10	1.2	符合 Pass

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序号 No.	检测项目 Test Item		单位 Unit	限值 Limit	检测结果 Test Result	单项结论 Single Conclusion
					E2501210 135-01-T	
5	五氯苯酚及其盐类(以五氯苯酚计) Pentachlorophenol and its salts (calculated by pentachlorophenol)	4% (体积分数) 乙酸 4%(Volume fraction) Acetic Acid 100°C, 2h	µg/kg	≤ 0.15	< 0.1	符合 Pass
6	噻菌灵 Thiabendazole		mg/kg	≤ 1.2	< 0.3	符合 Pass
	邻苯基苯酚 O-phenylphenol		mg/kg	≤ 4.8	< 0.3	符合 Pass
	抑霉唑 Imazalil		mg/kg	≤ 0.4	< 0.3	符合 Pass
	联苯 biphenyl		mg/kg	≤ 0.6	< 0.3	符合 Pass

## 备注 Note:

1) 感官要求、总迁移量、甲醛、二氧化硫、五氯苯酚及其盐类（以五氯苯酚计）项目的迁移试验条件以及食品模拟物由客户指定。

The migration test conditions for sensory requirements, total migration, formaldehyde, sulfur dioxide, pentachlorophenol and its salts (calculated as pentachlorophenol), and food simulants shall be specified by the customer.

2) 感官指标要求中的“虫蛀”不适用于软木材料及制品。

The term 'insect infestation' in sensory index requirements does not apply to cork materials and products.

3) 总迁移量项目仅适用于使用了涂料、粘合剂和（或）油墨的食品接触用竹木材料及制品。对于使用粘合剂和（或）油墨的食品接触用竹木材料及制品，如果按照规定选择的食品模拟物测得的总迁移量超过限量时，应按照 GB 31604.8 测定三氯甲烷提取物，并以测得的三氯甲烷提取量进行结果判定。婴幼儿专用食品接触竹木材料及制品应根据实际使用中的面积体积比将结果单位换算为 mg/kg，且限量为 ≤60mg/kg。

The total migration project is only applicable to bamboo and wood materials and products used in food contact that have been coated, bonded, and/or printed with ink. For bamboo and wood materials and products that come into contact with food using adhesives and/or inks, if the total migration measured by the selected food simulants exceeds the limit according to regulations, the chloroform extract should be determined according to GB 31604.8, and the result should be judged based on the measured chloroform extract. Special food for infants and young children that comes into contact with bamboo and wood materials and products should be converted to mg/kg based on the actual area to volume ratio during use, with a limit of ≤ 60mg/kg.

4) 迁移试验结果计算所采用的食品接触材料及制品的接触面积(S)与食品质量或体积(V)的比(S/V)应能够反映最严苛的实际使用情形。液态食品的密度应按照 1kg/L 计。

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The ratio (S/V) of the contact area (S) of the food contact materials and products used in the migration test results calculation to the mass or volume (V) of the food should be able to reflect the most stringent actual usage conditions. The density of liquid food should be calculated at 1kg/L.

5) 当 S/V 未知时, 采用 6dm<sup>2</sup> 食品接触材料及制品接触 1kg 的食品进行迁移试验结果计算。

When S/V is unknown, calculate the migration test results using 6mm<sup>2</sup> food contact materials and products in contact with 1kg of food.

## 2. 食品接触用涂料及涂层测试 Food contact and coating test

### 2.1 检测方法 Test Method :

GB 31604.2-2016 《食品安全国家标准 食品接触材料及制品 高锰酸钾消耗量的测定》

GB 31604.2-2016 "Food safety national standard food contact materials and products Determination of potassium permanganate consumption"

GB 31604.8-2021 《食品安全国家标准 食品接触材料及制品 总迁移量的测定》

GB 31604.8-2021 "National standard for food safety - food contact materials and products Determination of total migration"

GB 31604.9-2016 《食品安全国家标准 食品接触材料及制品 食品模拟物中重金属的测定》

GB 31604.9-2016 "National standard for food safety - food contact materials and products Determination of heavy metals in food simulants"

GB 5009.156-2016 《食品安全国家标准 食品接触材料及制品迁移试验预处理方法通则》

GB 5009.156-2016 "National food safety standards - General rules for migration test pretreatment methods of food contact materials and products"

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## 2.2 检测结果 Test Result :

指标要求依据 GB 4806.10-2016 《食品安全国家标准 食品接触用涂料及涂层》

Indicator requirements value reference to GB 4806.10-2016 "food safety standards for food contact and coating"

序号 No.	检测项目 Test Item	单位 Unit	指标要求 Indicator requirements	检测结果 Test Result	单项结论 Single Conclusi on	
				E2501210135 -01		
1	涂层感官要求 Coating sensory requirements	感官 Sensory	表面平整、色泽均匀、无气孔；浸泡后，应无龟裂、不起泡、不脱落 Smooth surface, uniform color, and no pores; After soaking, there should be no cracking, bubbling, or peeling	通过 Meet	符合 Pass	
		浸泡液 Soaking solution	迁移试验所得浸泡液不应有着色、浑浊、沉淀、异臭等感官性的劣变 The soaking solution obtained from the migration test should not have sensory deterioration such as discoloration, turbidity, sedimentation, and odor	通过 Meet	符合 Pass	
2	总迁移量 Overall migration	4% (体积分数) 乙酸 4% (Volume fraction) Acetic acid 100°C , 2h	mg/dm <sup>2</sup>	≤ 10	< 3.0	符合 Pass
3	高锰酸钾 消耗量 Consumption of potassium permanganate	蒸馏水 Distilled water 60°C , 2h	mg/kg	≤ 10	2.4	符合 Pass
4	重金属 (以 Pb 计) Heavy metals ( as lead )	4% (体积分数) 乙酸 4% (Volume fraction) Acetic acid 60°C , 2h	mg/kg	≤ 1	< 1	符合 Pass

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## 备注 Note :

1) 涂层感官要求、总迁移量项目的迁移试验条件以及食品模拟物由客户指定。

Sensory requirements for coatings, migration test conditions for total migration items, and food simulants specified by the customer.

2) 总迁移量项目中, 接触婴幼儿食品的涂料及涂层应根据实际使用中的面积体积比将结果换算为 mg/kg, 且限量为  $\leq 60\text{mg/kg}$ 。

In the total migration project, coatings and coatings that come into contact with infant and toddler food should be converted to mg/kg based on the actual area to volume ratio in use, with a limit of  $\leq 60\text{mg/kg}$ .

3) 迁移试验结果计算所采用的食品接触材料及制品的接触面积(S)与食品质量或体积(V)的比(S/V)应能够反映最严苛的实际使用情形。液态食品的密度应按照 1kg/L 计。

The ratio (S/V) of the contact area (S) of the food contact materials and products used in the migration test results to the quality or volume (V) of the food should be able to reflect the most stringent actual usage conditions. The density of liquid food should be calculated at 1kg/L.

4) 当 S/V 未知时, 采用  $6\text{dm}^2$  食品接触材料及制品接触 1kg 的食品进行迁移试验结果计算。

When S/V is unknown, the migration test results are calculated using  $6\text{dm}^2$  food contact materials and products in contact with 1kg of food.

## 样品照片



\*\*\* 报告结束 \*\*\*

\*\*\* End of Report \*\*\*

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Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the testes requested by you and the results thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

