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中国认可  
国际互认  
检测  
TESTING  
CNAS L1333

2025F0005



# 检验报告

**Product** Aldehyde free Particleboard

**Client** Wanhua Hexiang Group Co., Ltd.

**Test Classification** Commissioned test

中国林业科学研究院木材工业研究所

Research Institute of Wood Industry, Chinese Academy of Forestry

国家人造板与木竹制品质量检验检测中心

National Center of Inspection and Testing for Wood-based Panels and Wood-Bamboo Products

中国林业科学研究院人造板及木材检验实验室

Inspection laboratory for Wood-based Panels and Timber, Chinese Academy of Forestry



## Test report

No. 2025F0005

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<b>Client</b>	Wanhua Hexiang Group Co., Ltd.		
<b>Manufacturer</b>	Leshan Wanhua Hexiang Board Industry Co. Ltd.		
<b>Product</b>	Aldehyde free Particleboard	<b>Brand</b>	HE XIANG®
<b>Specification</b>	2440mm × 1220mm × 18mm	<b>Test Classification</b>	Commissioned test
<b>Grade</b>	E <sub>NF</sub> level	<b>Person of sample-sending</b>	Mou xiaolin
<b>Series of product</b>	P-FN REG flat building material	<b>Arrival Date of sample</b>	Feb. 10, 2025
<b>Quantity of sample</b>	600mm×600mm×18mm 6 pieces	<b>Date of production</b>	Jan. 11, 2025
<b>Composition</b>	Adhesive:: MDI		
<b>Test Date</b>	Feb. 10, 2025 ~ Mar. 07, 2025		
<b>Inspection criteria and Test items</b>	GB/T 4897-2015: density, density deviation, moisture content, modulus of rupture, modulus of elasticity, internal bond strength, surface bond strength, 2h thickness swelling, 24h thickness swelling, screw holding capability GB/T 39600-2021: formaldehyde emission GB/T 17657-2022: formaldehyde content (4.59) LY/T 2870-2017: benzene HJ 571-2010: TVOC GB 8624-2012: classification for burning behavior		
<b>Test conclusion</b>	The results are shown in the 2 <sup>nd</sup> and 3 <sup>rd</sup> pages. <div style="text-align: right; margin-top: 20px;">  <p>Inspection Organization:                      subscribing date: Mar. 10, 2025</p> </div>		
<b>Note</b>	1. The manufacturer, brand and composition are supplied by commission unit. 2. Only responsibility for supplied specimen.		

Authorized by: 

Audited by: 

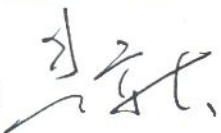
Compiled by: 

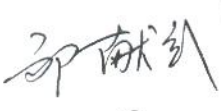
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<b>Client</b>	Wanhua Hexiang Group Co., Ltd.			
<b>Manufacturer</b>	Leshan Wanhua Hexiang Board Industry Co. Ltd.			
<b>Test items</b>	<b>Unit</b>	<b>Specification</b>	<b>Test results</b>	<b>Judgment</b>
density	g/cm <sup>3</sup>	—	0.63	—
density deviation	%	±10	+1.6, -1.6	Conformity
moisture content	%	3~13	5.0	Conformity
modulus of rupture	MPa	μ <sub>L</sub> : 11.0	15.6	Conformity
modulus of elasticity	MPa	μ <sub>L</sub> : 1600	2510	Conformity
internal bond strength	MPa	μ <sub>L</sub> : 0.35	0.61	Conformity
surface bond strength	MPa	μ <sub>L</sub> : 0.8	1.47	Conformity
2h thickness swelling	%	μ <sub>u</sub> : 8.0	1.5	Conformity
24h thickness swelling	%	—	X <sub>95%</sub> : 11.4	—
screw holding capability	N	vertical ≥ 900 parallel ≥ 600	vertical: 1210 parallel: 950	Conformity
formaldehyde emission	mg/m <sup>3</sup>	E <sub>NE</sub> ≤ 0.025	Not detected (Detection limit: 0.005)	Conformity

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<b>Client</b>	Wanhua Hexiang Group Co., Ltd.			
<b>Manufacturer</b>	Leshan Wanhua Hexiang Board Industry Co. Ltd.			
<b>Test items</b>	<b>Unit</b>	<b>Specification</b>	<b>Test results</b>	<b>Judgment</b>
formaldehyde content	mg/100g	—	0.1	—
benzene	mg/m <sup>3</sup>	≤0.11	Not detected (Detection limit: 0.00017)	Conformity
TVOC	mg/(m <sup>2</sup> ·h)	≤0.50	0.03	Conformity
classification for burning behavior B <sub>2</sub> (E)	—	F <sub>s</sub> ≤ 150mm (within 20s)	F <sub>s</sub> < 150mm (within 20s)	Conformity
		no flaming droplets to ignite the filter paper within 20s	no flaming droplets to ignite the filter paper within 20s	
(Blank below)				
<b>Note</b>	Information provided by the client: superior grade. All the above burning items are tested by Flame Retardant Materials Testing Center of Beijing Institute of Technology, within the scope of its authorization. CMA No.220020349470.			



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