



中国认可
国际互认
检测
TESTING
CNAS L1333

2025W0331



检验报告

Product Humid resistant Particleboard
(Aldehyde-free Particleboard)

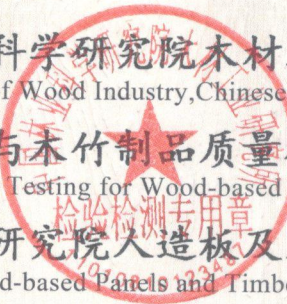
Client Wanhua Hexiang Group Co., Ltd.

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



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(Aldehyde-free Particleboard)

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Test report

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Client	Wanhua Hexiang Group Co., Ltd.		
Manufacturer	Wanhua Hexiang Board (Shaoguan) Co., Ltd.		
Product	Humid resistant Particleboard (Aldehyde-free Particleboard)	Brand	—
Specification	Thickness: 18mm	Test Classification	Commissioned test
Grade	E _{NF} level	Person of sample-sending	Zeng dejin
Series of product	P-FNMR	Arrival Date of sample	Feb. 14, 2025
Quantity of sample	800mm×800mm×18mm 3 pieces	Date of production	Jan. 05, 2025
Composition	Adhesive:: MDI		
Test Date	Feb. 14, 2025 ~ Mar. 07, 2025		
Inspection criteria and Test items	GB/T 4897-2015: density deviation, moisture content, modulus of rupture, modulus of elasticity, internal bond strength, surface bond strength, 24h thickness swelling, humidity resistance (internal bond strength after boiling test), screw holding capability GB/T 39600-2021: formaldehyde emission HJ 571-2010: TVOC		
Test conclusion	The items mentioned above conform to the requirements in the standards.		
Note	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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Client	Wanhua Hexiang Group Co., Ltd.			
Manufacturer	Wanhua Hexiang Board (Shaoguan) Co., Ltd.			
Test items	Unit	Specification	Test results	Judgment
density deviation	%	± 10	+2.9, -1.4	Conformity
moisture content	%	3~13	7.1	Conformity
modulus of rupture	MPa	μ_L : 13	18.0	Conformity
modulus of elasticity	MPa	μ_L : 1900	3250	Conformity
internal bond strength	MPa	μ_L : 0.40	0.75	Conformity
surface bond strength	MPa	μ_L : 0.8	1.69	Conformity
24h thickness swelling	%	μ_u : 14.0	5.8	Conformity
humidity resistance (internal bond strength after boiling test)	MPa	μ_L : 0.08	0.09	Conformity
screw holding capability	N	vertical ≥ 900 parallel ≥ 600	vertical: 1570 parallel: 1270	Conformity
formaldehyde emission	mg/m ³	$E_{NF} \leq 0.025$	Not detected (Detection limit: 0.005)	Conformity
TVOC	mg/(m ² ·h)	≤ 0.50	0.05	Conformity
Note	Information provided by the client::superior grade.			

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