

Certificate No. BJ/EPA/2021/04/1003

The Manufacturer

# Furen Wood Industry (Putian) Co.,Ltd.

## 福人木业（莆田）有限公司

No.1107 qianqin village, Dongqiao Town, Xiuyu District, Putian  
City (wood Processing area), Fujian Province, China  
中国福建省莆田市秀屿区东桥镇前沁村前沁 1107 号（木材加工区内）

for manufacturing of Thin Medium Density Fiberboard 3mm, 4mm, 4.75mm, 5mm, 6mm, 8mm  
Medium Density Fiberboard 9mm, 10mm, 12mm, 15mm, 18mm, 20mm, 21mm, 22mm, 25mm  
has been assessed and certified by SGS-CSTC Standards Technical Services Co., Ltd.  
as meeting section 40 CFR 770.15, Title VI, Toxic Substances Control Act.

Certification Model: Type test + initial factory inspection + surveillance after certification

The Manufacturer demonstrates compliance of composite wood products against section,  
40 CFR 770.10 for Thin Medium Density Fiberboard 3mm, 4mm, 4.75mm, 5mm, 6mm, 8mm  
Medium Density Fiberboard 9mm, 10mm, 12mm, 15mm, 18mm, 20mm, 21mm, 22mm, 25mm,  
Title VI, Toxic Substances Control Act.

This certificate is for the composite wood products manufacturing at the production  
facility stated above. The production facility meet the quality  
assurance requirements stated in section 40 CFR 770.20-22, 40 CFR 770.24,  
40 CFR 770.40 and 40 CFR 770.45, Title VI, Toxic Substances Control Act.

This certificate is valid only if subsequent verification is conducted and the  
manufacturer continuously meet the requirements stated in sections,  
40 CFR 770.20-22, 40 CFR 770.24, 40 CFR 770.40 and  
40 CFR 770.45, Title VI, Toxic Substances Control Act.

This certificate (Issue1) is issued on 25 April 2021  
and valid until 24 April 2023

Authorised by

Product Certification Center  
SGS-CSTC Standards Technical Services Co., Ltd. (CARB TPC 47)  
A-16F, Century Yuhui Mansion, No. 73, Fucheng Road, Beijing, China  
t +(86) (10)6845 6699 www.sgsgroup.com.cn



中国认可  
产品  
PRODUCT  
CNAS C033-P



Certificate No. BJ/CARB/2021/04/1003

The Manufacturer

**Furen Wood Industry (Putian) Co.,Ltd.**  
**福人木业（莆田）有限公司**

No.1107 qianqin village, Dongqiao Town, Xiuyu District, Putian City (wood Processing area), Fujian Province, China  
中国福建省莆田市秀屿区东桥镇前沁村前沁 1107 号  
(木材加工区内)

for manufacturing of Thin Medium Density Fiberboard 3mm, 4mm, 4.75mm, 5mm, 6mm, 8mm  
Medium Density Fiberboard 9mm, 10mm, 12mm, 15mm, 18mm, 20mm, 21mm, 22mm, 25mm  
has been assessed and certified by SGS-CSTC Standards Technical Services Co., Ltd. as  
meeting section 93120.3(b), title 17, California Code of Regulations.

Certification Model: Type test + initial factory inspection + surveillance after certification

The Manufacturer demonstrates production of composite wood products complying with section  
93120.2(a) Phase 2 for  
Thin Medium Density Fiberboard 3mm, 4mm, 4.75mm, 5mm, 6mm, 8mm  
Medium Density Fiberboard 9mm, 10mm, 12mm, 15mm, 18mm, 20mm, 21mm, 22mm, 25mm ,  
title 17, California Code of Regulations.

This certificate is for the composite wood products manufactured at the production  
facility stated above. The production facility meets the quality  
assurance requirements stated in section 93120.12, appendix 2, title 17,  
California Code of Regulations.

This certificate is valid only if subsequent verification is conducted and the  
manufacturer continues to meet the requirements stated in sections 93120.2 (a),  
93120.3 (e), (f), (g), (h) and 93120.12, appendix 2, title 17,  
California Code of Regulations.

This manufacturer has been certified since 25 April 2021  
This certificate (Issue 1) is issued on 25 April 2021  
and valid until 24 April 2023



Authorised by

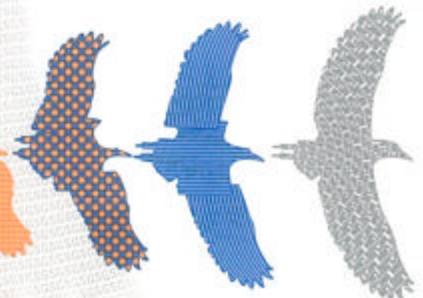
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CARB\_cert template v4 (2020-03)



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证书编号: BJ/EPA/2021/04/1003

制造商

# 福人木业(莆田)有限公司

中国福建省莆田市秀屿区东桥镇前沁村前沁 1107 号(木材加工区内)

薄中密度纤维板 3mm, 4mm, 4.75mm, 5mm, 6mm, 8mm  
中密度纤维板 9mm, 10mm, 12mm, 15mm, 18mm, 20mm, 21mm, 22mm, 25mm  
的生产过程已通过通标准技术服务有限公司进行的评估和认证, 符合  
40 CFR 770.15, Title VI, Toxic Substances Control Act 规定的要求。

认证模式: 型式试验+初始工厂检验+获证后监督。

制造商生产的

薄中密度纤维板 3mm, 4mm, 4.75mm, 5mm, 6mm, 8mm  
中密度纤维板 9mm, 10mm, 12mm, 15mm, 18mm, 20mm, 21mm, 22mm, 25mm,

已被证明符合

40 CFR 770.10, Title VI, Toxic Substances Control Act.规定的甲醛释放量的标准要求。

本证书仅适用于在上述生产场所生产的复合木制品。

该生产场所的设施设备符合

40 CFR 770.20-22, 40 CFR 770.24, 40 CFR 770.40 和 40 CFR 770.45, Title VI,  
Toxic Substances Control Act 的要求。

此证书只有当工厂进行了后续评审并持续满足

40 CFR 770.20-22, 40 CFR 770.24, 40 CFR 770.40 和

40 CFR 770.45, Title VI, Toxic Substances Control Act 的要求时才能持续有效。

此证书(版本 1) 颁发日期: 2021 年 04 月 25 日

有效期至: 2023 年 04 月 24 日

签署

产品认证中心

通标准技术服务有限公司 (CARB TPC 47)

海淀区阜成路 73 号世纪裕惠大厦 A 座 16 层, 北京, 中国

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中国认可  
产品  
PRODUCT  
CNAS C033-P





中国认可  
国际互认  
检测  
TESTING  
CNAS L0167

# Test Report

No.: GZHL2302003312HI

Date: Mar 03, 2023

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FUREN WOOD INDUSTRY (PUTIAN) CO., LTD  
NO.1107 QIANQIN VILLAGE, DONGQIAO TOWN, XIUYU DISTRICT, PUTIAN CITY  
(WOOD PROCESSING AREA)

Product Type : MDF (without surface finishes or seals)  
Thickness : 25mm  
Visit Number : Y2Q4  
Job Number : BJGZ20B1043  
Product Line Information : ONE LINE  
Tested Sample Information : Lot No.: C221201 Production Date: 2022.12.1  
Sample Wrapping Method : Wrapped Collectively in Vapor Retarder

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

\*\*\*\*\*

SGS Ref No. : CAN23-0002752  
Sample Receiving Date : Feb 16, 2023  
Test Performing Date : Feb 16, 2023 to Mar 03, 2023  
Test Performed : Selected test(s) as requested by applicant  
Test Result(s) : For further details, please refer to the following page(s)

	Test Requirement	Conclusion
1	Final Regulation Order – Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Product (CARB ATCM), title 17, California Code of Regulation, section 93120.2 (a) and US EPA 40 CFR Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products	Pass

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Joe

Joe Lu  
Authorized Signatory

scan to see the report



GZHL2302003312HI



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Guangzhou Branch

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**Test Result(s):**

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN23-0002752-0001.C001	Brown MDF

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-“ = Not Regulated

**Final Regulation Order – Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Product (CARB ATCM), title 17, California Code of Regulation, section 93120.2 (a) and US EPA 40 CFR Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products**

Test Method: With reference to ASTM D6007-14 and Standard Face and Back Configuration testing therein, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A1
<b>Sample Conditioning / Parameters</b>				
Average Temperature	-	°C	-	23.5
Average Relative Humidity	-	%	-	49.4
Range of Temperature	-	°C	-	21.0-27.0
Range of Relative Humidity	-	%	-	45.0-55.0
Sampling Time	-	h	-	168
Formaldehyde Background	-	ppm	-	<0.10
<b>Sample Details and Apparatus</b>				
Chamber Dimensions(Nominal)	-	m	-	1.6x0.8x0.8
Chamber Volume	-	m <sup>3</sup>	-	1.0
Chamber Load Ratio	-	m <sup>2</sup> /m <sup>3</sup>	-	0.3937
Chamber Q/A Ratio(±2%)	-	-	-	1.905
Sample Size	-	cm	-	25.6x25.6
Number of Samples	-	-	-	3
Number of Exposed Surfaces	-	-	-	6
<b>Sampling Parameters of Emission Test</b>				
Average Temperature	-	°C	-	24.9
Average Relative Humidity	-	%	-	50.3
Range of Temperature	-	°C	-	24.0-26.0
Range of Relative Humidity	-	%	-	46.0-54.0
Air-sampling Time	-	min	-	30
Sampling Time in Chamber	-	min	-	240
Air-sampling Rate	-	L/min	-	1.0
<b>Formaldehyde Emission Results</b>				
Background of Trial 1	-	ppm	0.01	ND
Background of Trial 2	-	ppm	0.01	ND
Background of Trial 3	-	ppm	0.01	ND



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit(s)</u>	<u>MDL</u>	<u>A1</u>
Formaldehyde Emission of Trial 1	-	ppm	0.01	0.05
Formaldehyde Emission of Trial 2	-	ppm	0.01	0.05
Formaldehyde Emission of Trial 3	-	ppm	0.01	0.05
Formaldehyde Emission (Corrected) of Trial 1	-	ppm	0.01	0.05
Formaldehyde Emission (Corrected) of Trial 2	-	ppm	0.01	0.05
Formaldehyde Emission (Corrected) of Trial 3	-	ppm	0.01	0.05
Formaldehyde Emission (Corrected) of Average	0.11	ppm	0.01	0.05
<b>Conclusion</b>				<b>Pass</b>

**Notes:**

- (1) ppm = parts of formaldehyde per million parts air
- (2) Formaldehyde Emission (Corrected) is Formaldehyde concentration corrected to 25°C and 50% Relative Humidity.
- (3) The scope of CARB ATCM / TSCA Title VI is/are applicable for composite wood, but not for other wood products.
- (4) Formaldehyde emission test is one of the conformity criteria under CARB ATCM / TSCA Title VI. Full conformity of a composite wood product happens provided that this composite wood fulfill all the requirement as stated in CARB ATCM title 17 section 93120 to 93120.12 / US EPA 40 CFR Part 770.10.

**Reference Limit:**

Maximum Permissible Limit according to CARB ATCM, Title 17, California Code of Regulation, Section 93120.2 (a):

Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)	
Type	Limits
HWPW	0.05 ppm
PB	0.09 ppm
MDF	0.11 ppm
Thin MDF	0.13 ppm



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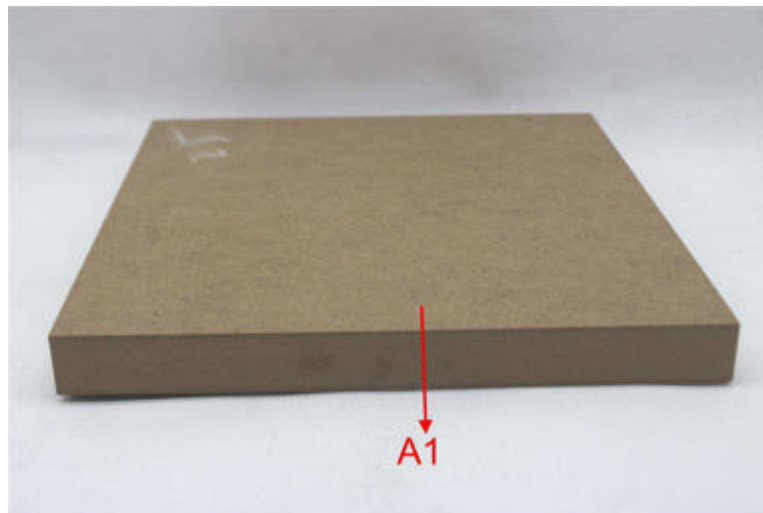
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Maximum Permissible Limit according to TSCA Title VI, US EPA 40 CFR Part 770.10, Code of Federal Regulations:

Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)	
Type	Limits
HWPW	0.05 ppm
PB	0.09 ppm
MDF	0.11 ppm
Thin MDF	0.13 ppm

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

**Sample Photo:**



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



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