



中国认可
国际互认
检测
TESTING
CNAS L0167

Test Report

No.: GZHL2301001270HI

Date: Feb 01, 2023

Page 1 of 5

GUANGXI GAOFENG WUZHOU WOOD-BASED PANEL CO., LTD.
LIUTANG, WUTANG TOWN, XINGNING DISTRICT, NANNING CITY, GUANGXI, P.R. CHINA

Product Type : MDF (without surface finishes or seals)
Thickness : 15mm-JJ
Visit Number : Y3Q4
Job Number : BJGZ20B1012
Tested Sample Information : Lot No.: 2022121211 Production Date: 2022-12-12
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. : CAN23-0000469
Sample Receiving Date : Jan 12, 2023
Test Performing Date : Jan 12, 2023 - Feb 01, 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) – Formaldehyde Emission Test for Composite Wood Products	PASS
2	US EPA 40 CFR Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products	PASS

Remark : 1) The scope of CARB ATCM / TSCA Title VI is/are applicable for composite wood, but not for other wood products.
2) 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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.198, Keshu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgs.com.cn
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Test Report

No.: GZHL2301001270HI

Date: Feb 01, 2023

Page 2 of 5

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

Joe



Joe Lu
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Test Report

No.: GZHL2301001270HI

Date: Feb 01, 2023

Page 3 of 5

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN23-0000469-0001.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

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
Sample Conditioning / Parameters				
Average Temperature	-	°C	-	23.5
Average Relative Humidity	-	%	-	48.7
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
Sample Details and Apparatus				
Chamber Dimensions(Nominal)	-	m	-	1.6*0.8*0.8
Chamber Volume	-	m ³	-	1.0
Chamber Load Ratio	-	m ² /m ³	-	0.3937
Chamber Q/A Ratio(±2%)	-	-	-	1.905
Sample Size	-	cm	-	25.6*25.6
Number of Samples	-	-	-	3
Number of Exposed Surfaces	-	-	-	6
Sampling Parameters of Emission Test				
Average Temperature	-	°C	-	25.1
Average Relative Humidity	-	%	-	49.7
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
Formaldehyde Emission Results				
Background of Trial 1	-	ppm	0.01	ND
Background of Trial 2	-	ppm	0.01	ND
Background of Trial 3	-	ppm	0.01	ND
Formaldehyde Emission of Trial 1	-	ppm	0.01	0.08
Formaldehyde Emission of Trial 2	-	ppm	0.01	0.08



SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Test Report

No.: GZHL2301001270HI

Date: Feb 01, 2023

Page 4 of 5

Test Item(s)	Limit	Unit(s)	MDL	A1
Formaldehyde Emission of Trial 3	-	ppm	0.01	0.08
Formaldehyde Emission (Corrected) of Trial 1	-	ppm	0.01	0.08
Formaldehyde Emission (Corrected) of Trial 2	-	ppm	0.01	0.08
Formaldehyde Emission (Corrected) of Trial 3	-	ppm	0.01	0.08
Formaldehyde Emission (Corrected) of Average	0.11	ppm	0.01	0.08
Conclusion				Pass

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.

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

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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-TESTING SERVICES
Guangzhou Branch

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Sample Photo:



Product Photo

End of Report



SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn
t (86-20) 82155555 sgs.china@sgs.com