

Test Report

No. CANEC2218298503

Date: 08 Sep 2022

Page 1 of 4

Client Name : GUANGDONG CHENMING PLATES CO.,LTD

Client Address : NO.1 HUASEN RD, SHILING DEVELOPMENT ZONE, LIANJIANG CITY, GUANGDONG
CHINA

Sample Name : Particleboard

Model No. : 12E0

Lot No. : 20220818

Product Category : PB

The above sample(s) and information were provided by the client.

SGS Job No. : CP22-047563 - GZ

Date of Sample Received : 25 Aug 2022

Testing Period : 25 Aug 2022 - 07 Sep 2022

Test Requested : Selected test(s) as requested by the client.

Test Method(s) : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
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
US EPA 40 CFR 770, 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

Coral Qiu

Approved Signatory

scan to see the report



49643792



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

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

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

中国 · 广州 · 经济技术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. CANEC2218298503

Date: 08 Sep 2022

Page 2 of 4

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-182985.002	Brown board

Remarks :

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

Formaldehyde Emission

Test Method : With reference to ASTM D6007-14, analysis was performed by UV-Vis. Conditioning for 7 days at 24°C and 50% relative humidity.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Background	ppm	0.01	ND
Formaldehyde Emission	ppm	0.01	0.06
Formaldehyde Emission (Corrected)	ppm	0.01	0.06

Notes :

1. ppm = parts of formaldehyde per million parts air
2. ND = Not Detected
3. MDL = Method Detection Limit
4. Formaldehyde Emission (Corrected) is Formaldehyde concentration corrected to 25°C and 50% Relative Humidity.



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

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

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

中国·广州·经济技术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. CANEC2218298503

Date: 08 Sep 2022

Page 3 of 4

5. Maximum Permissible Limit according to Section 93120.2, Title 17, California Code of Regulation:

Formaldehyde Emission Standards for Hardwood Plywood (HWPW), Particleboard (PB), and Medium Density Fiberboard (MDF)				
HWPW-VC	HWPW-CC	PB	MDF	Thin MDF
0.05	0.05	0.09	0.11	0.13
VC = Veneer Core; CC = Composite Core				

6. Maximum Permissible Limit according to TSCA Title VI, 40 CFR Part 770, Code of Federal Regulations:

Formaldehyde Emission Standards for Hardwood Plywood (HWPW), Particleboard (PB), and Medium Density Fiberboard (MDF)				
HWPW-VC	HWPW-CC	PB	MDF	Thin MDF
0.05	0.05	0.09	0.11	0.13
VC = Veneer Core; CC = Composite Core				

ATTACHMENTS:

Sample Conditioning / Parameters			
Average Temperature (°C)	24.0	Average Relative Humidity (%)	50.0
Range of Temperature (°C)	21.0-27.0	Range of Relative Humidity (%)	45.0-55.0
Sampling Time (hour)	168	Formaldehyde background (ppm)	< 0.1
Sample Details and Apparatus			
Chamber Dimensions (m)	1.578 x 0.8 x 0.8 (Nominal)		
Chamber Volume (m³)	1.0	Chamber Load Ratio (m²/m³)	1.4259(Hardwood Plywood Wall Paneling) 0.6399(Particleboard, Hardwood Plywood Panels) 0.3937(MDF) 0.1968(Particleboard Door Core)
Chamber Q/A Ratio (±2%)	1.172 (Particleboard, Hardwood Plywood Panels) / 1.905 (MDF) / 0.526 (Hardwood Plywood Wall Paneling) / 3.811 (Particleboard Door Core)		
Sample Size	35 cm x 68 cm (Hardwood Plywood Wall Paneling) 32.3 cm x 33 cm (Particleboard, Hardwood Plywood Panels) 25.6 cm x 25.6 cm (MDF) 18.1 cm x 18.1 cm (Particleboard Door Core)		
Number of Samples	3	Number of Exposed Surfaces	6
Sampling Parameters of Emission Test			
Average Temperature (°C)	25.0	Average Relative Humidity (%)	50.0
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 background (ppm)	< 0.01

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

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

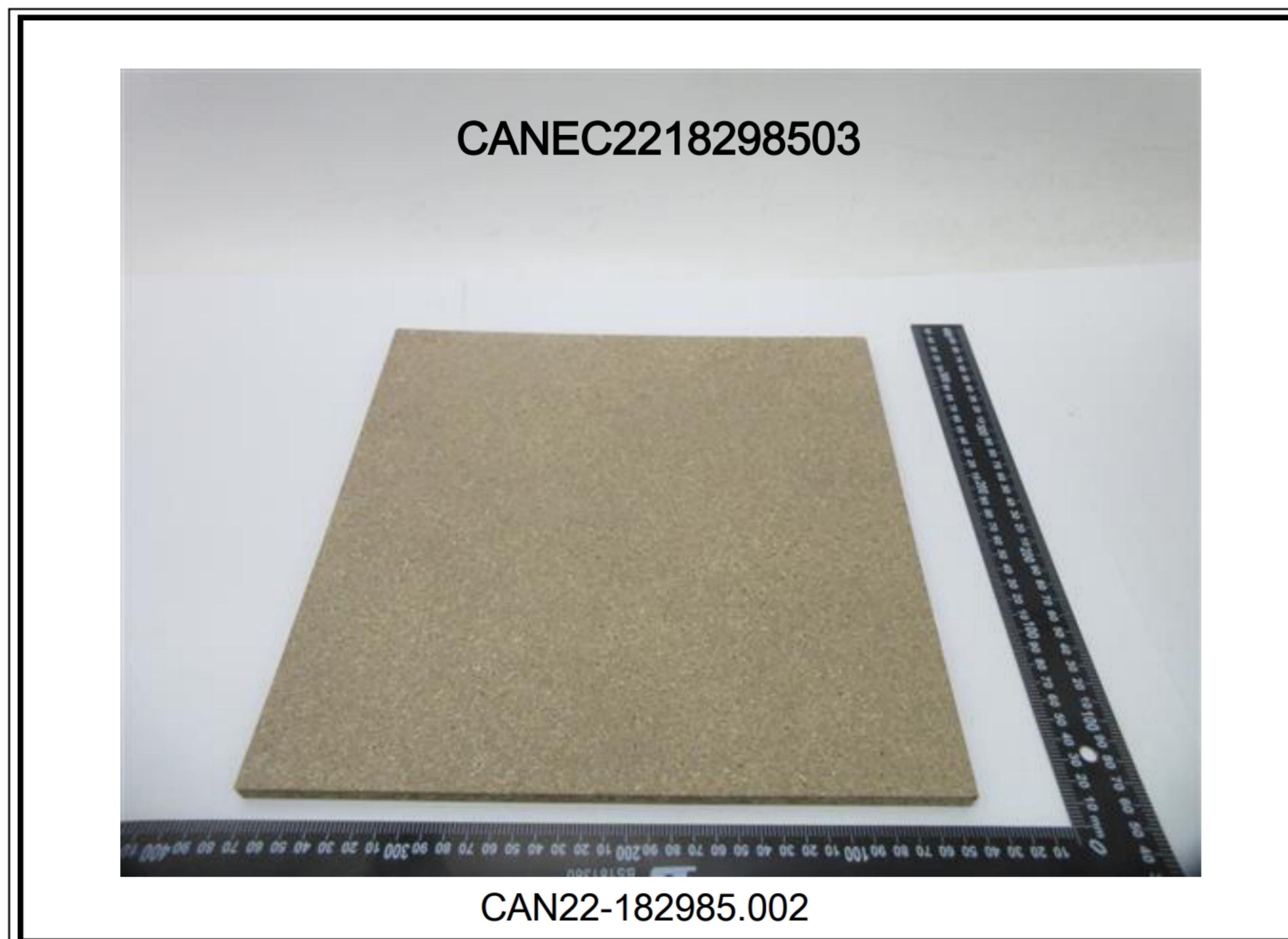
Test Report

No. CANEC2218298503

Date: 08 Sep 2022

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

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

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

中国·广州·经济技术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