

Test Report

No. SHAHG2208756001

Date: 27 Jul 2022

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Client Name : Langfang baisi nuo furniture CO.,LTD

Client Address : Zhongxing zone .dongduan town .bazhou langfang city .hebei province .china

Sample Name : Y chair

Manufacturer : Langfang baisi nuo furniture CO.,LTD

Supplier : Langfang baisi nuo furniture CO.,LTD

Country of Origin : china

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

SGS Job No. : TJHL2206005265TY - TJ

Date of Sample Received : 01 Jul 2022

Testing Period : 01 Jul 2022 - 27 Jul 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
US EPA, 40 CFR Part 770, Direct Final Rule, July 11, 2017- Formaldehyde Emission Standards for Composite Wood Products to comply with Labelling requirement of Toxic Substances Control Act (TSCA) Title VI, with further revision-Final Regulation issued on August 21st, 2019 -Formaldehyde Emission	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Alicia Lu

Alicia Lu

Approved Signatory

scan to see the report



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA22-087560.001	Light yellow wood grain board

Remarks :

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

US EPA, 40 CFR Part 770, Direct Final Rule, July 11, 2017- Formaldehyde Emission Standards for Composite Wood Products to comply with Labelling requirement of Toxic Substances Control Act (TSCA) Title VI, with further revision-Final Regulation issued on August 21st, 2019 -Formaldehyde Emission

Test Method : With reference to ASTM D6007-2014, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit	MDL	001
Background	-	ppm	0.01	ND
Formaldehyde Emission	-	ppm	0.01	0.05
Formaldehyde Emission (Corrected)	★	ppm	0.01	0.05
Conclusion				PASS

Notes :

- (1) On July 11, 2017, the US EPA published a Direct Final Rule (DFR) in the Federal Register to allow compliant composite wood products and finished goods that were manufactured before December 12, 2017 to be labeled as Toxic Substances Control Act (TSCA) Title VI Compliant. According to the DFR, compliant panels and finished goods could be voluntarily labeled as compliant as soon as compliance can be achieved.
- (2) On August 21, 2019, the EPA published a revision to the Act addressing certain technicalities and to further align its requirements with the CARB ATCM Phase II Program.
- (3) ppm = parts of formaldehyde per million parts air.
- (4) ★ = See Table 1.
- (5) Formaldehyde Emission (Corrected) is Formaldehyde concentration corrected to 25°C and 50% Relative Humidity.



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Reference Limit:

Maximum permissible limit according to 40 CFR Part 770.10:

Table 1: Formaldehyde Emission Standards(ppm) for Hardwood Plywood(HWPW), Particle-board(PB), and Medium Density Fiberboard(MDF)				
HWPW-VC	HWPW-CC	PB	MDF	Thin MDF
0.05	0.05	0.09	0.11	0.13
HWPW-VC = Veneer Core; HWPW-CC = Composite Core.				

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 or 1.56 x 0.8 x 0.8 (Nominal)		
Chamber Volume (m ³)	1.0	Chamber Load Ratio (m ² /m ³)	0.6399 (Particleboard, Hardwood Plywood Panels) / 0.3937 (MDF) / 1.4259 (Hardwood Plywood Wall Paneling) / 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	32.3 cm x 33 cm (Particleboard, Hardwood Plywood Panels) / 25.6 cm x 25.6 cm (MDF) / 35 cm x 68 cm (Hardwood Plywood Wall Paneling) / 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.



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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