

TEST REPORT

CheckCode:Report 检验码
Report No.:Report 报告编号

Company Name: "Parfino plywood factory" OOO ("Parfino plywood factory" LLC)
Address: 52 Kirova str.Parfino village Parfa district, Novgorod region, Russian Federation

The following sample information is provided by the client and responsible for its authenticity

Sample Name: HWPWV-MM FSF 12mm BB
Type of samples: HWPW-VC
Thickness: 12mm
Resin Information: Phenol Formaldehyde glue Primere 14 J.
Lot No.: 100424
Production Date: 2024-04-10
Sampling Date: 2024-04-11
Sample State: Normal

Date of Receipt: Apr.28, 2024 Test Period: Apr.28, 2024 – May.20, 2024

Test Request: As specified by client, to determine Formaldehyde (HCHO) Content in the submitted sample

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

Edited by _____ Reviewed by _____ Approved by _____

Issue date:MMM.d,yyyy

Report remarks
资质备注 EN

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Company Address2
Company Address
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Test result(s) summary

Test Request	Result
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 Part 770.10, Toxic Substances Control Act (TSCA) Title VI – Formaldehyde Emission Test for Composite Wood Products	PASS

- Note: 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.

Sample description

Thickness	Description
12mm	HWPWV-MM FSF 12mm BB

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Test Result(s):

Test method: With reference to ASTM D6007-14, analysis was performed by UV-Vis.

Sample conditioning :

Average Temperature and Relative Humidity 21.8°C , 46%RH,
Range of Temperature and Relative Humidity 21.0~27.0°C , 45~55%RH,
Sampling Time 168h,
Formaldehyde background: <0.10ppm

Sample Details and Apparatus :

Chamber Dimensions 1578×800×800mm
Chamber Volume 1m³
Chamber Load Ratio 0.65 m²/ m³
Chamber Q/A Ratio 1.172
Sample Size (as received) 33.0cm × 33.0cm × 1.22cm
Number of Samples: 3
Number of Exposed Surfaces: 6

Sampling Parameters of Emission Test:

Average Temperature and Relative Humidity 25.0°C ,50.0%RH,
Range of Temperature and Relative Humidity 24.0~26.0°C , 46~54%RH,
Air-sampling Time: 30min.
Time of Samples in Chamber before Air Sample Collection: 240min.
Air-sampling Rate: 1.0 L/min
Formaldehyde background: <0.10ppm

Test Item 1	Background			Unit	MDL
	1	2	3		
Formaldehyde Emission	N.D.	N.D.	N.D.	ppm	0.01

Test Item 1	Sample			Unit	MDL
	Trial 1	Trial 2	Trial 3		
Formaldehyde Emission	0.010	0.010	0.011	ppm	0.01

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Test Item 1	Sample				Unit	MDL	HWPW Maximum Permissible Limit	Conclusion
	Trial 1	Trial 2	Trial 3	Average				
Formaldehyde Emission (Corrected)	0.010	0.010	0.011	0.01	ppm	0.01	0.05	PASS

- Remark: 1) ppm = parts of formaldehyde per million parts air
 2) MDL = Method Detection Limit
 3) "N.D." = Not Detected (Below Method Detection Limit)
 4) Formaldehyde Emission (Corrected) is formaldehyde concentration corrected to 25 °C, 50%RH.
 5) Reference Information: Maximum Permissible Limit according to Section 93120.2, Title 17, California Code of Regulation, CARB-ATCM:

Table 1: Phase 2 Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)			
HWPW	PB	MDF	Thin MDF
0.05 ppm	0.09 ppm	0.11 ppm	0.13 ppm

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

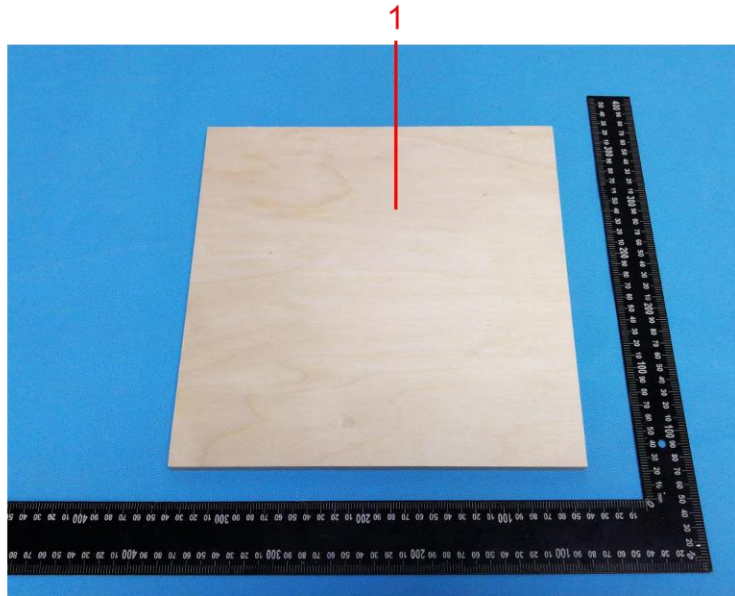
Table 2: Formaldehyde Emission Standards for Hardwood Plywood(HWPW), Particleboard(PB), and Medium Density Fiberboard(MDF)			
HWPW	PB	MDF	Thin MDF
0.05 ppm	0.09 ppm	0.11 ppm	0.13 ppm

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Photo of Sample



-----End of Report-----

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