

MI X DECORATION

918, 9TH FLOOR, BUILDING 2, WEALTH FIELD, YINGXIANG, NO. 362, NORTH SECTION OF YIZHOU AVENUE, WUHOU DISTRICT, CHENGDU CITY, SICHUAN PROVINCE

Sample Description : CHINESE FIR SLF FINISHES OSB

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. : CAN24-0141574

Sample Receiving Date : Jul 01, 2024

Test Performing Date : Jul 01, 2024 to Aug 05, 2024

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	Decree 2011-321 relative to the labeling of construction products, floor or wall coverings and paints and lacquers concerning their emission of volatile pollutants - Emission of volatile pollutants	A+

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



Yan Lau
Authorized Signatory

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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

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Test Result(s):
Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0141574-0001.C001	Brown PB with white veneer

Remarks:

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

Volatile Pollutants (VOCs)

Test Method: With reference to ISO 16000-9:2006 / COR1-2007 & ISO 16000-6:2021 & ISO 16000-3:2022.
Testing was performed by Environmental Chamber, followed by sampling using Tenax-TA and DNPH tube, analysis using Thermodesorption System with Gas Chromatography Mass Spectrometry (TDS-GC/MS) and High Performance Liquid Chromatography-DAD (HPLC-DAD).

Test Item(s)	CAS No.	Unit(s)	A1
Test condition			
Chamber Volume	-	m ³	0.05
Storage condition (Temperature)	-	°C	23.2
Storage condition (Humidity)	-	%	50.7
Air Exchange Rate	-	/h	0.5
Sample loading	-	m ² /m ³	1.000
Tenax Sampling Flow	-	mL/min	200
Tenax Sampling Time	-	minute(s)	25
Tenax Sampling Volume	-	L	5
DNPH Sampling Flow	-	mL/min	1000
DNPH Sampling Time	-	minute(s)	60
DNPH Sampling Volume	-	L	60
MDL_1	-	µg/m ³	2.0
VOCs and Carbonyl Compounds			
Test Time	-	-	7th day
Formaldehyde	50-00-0	µg/m ³	8.8
Acetaldehyde	75-07-0	µg/m ³	8.3
Toluene	108-88-3	µg/m ³	ND
Tetrachloroethene	127-18-4	µg/m ³	ND
Xylene	1330-20-7	µg/m ³	ND
1,2,4-Trimethylbenzene	95-63-6	µg/m ³	ND
1,4-Dichlorobenzene	106-46-7	µg/m ³	ND
Ethylbenzene	100-41-4	µg/m ³	ND
Ethylene Glycol	111-76-2	µg/m ³	ND
Monobutylether(Butoxyethanol)			
Styrene	100-42-5	µg/m ³	ND



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Test Item(s)	CAS No.	Unit(s)	A1
Total Volatile Organic Compounds(TVOC)	-	µg/m ³	31.6

Notes:

1. µg/m³ = micrograms per cubic metre

Evaluation according to Decree 2011-321 relative to the labeling of construction products, floor or wall coverings and paints and lacquers concerning their emission of volatile pollutants

Classes	C	B	A	A+
Formaldehyde	> 120	< 120	< 60	< 10
Acetaldehyde	> 400	< 400	< 300	< 200
Toluene	> 600	< 600	< 450	< 300
Tetrachloroethylene	> 500	< 500	< 350	< 250
Xylene	> 400	< 400	< 300	< 200
1,2,4-Trimethylbenzene	> 2000	< 2000	< 1500	< 1000
1,4-Dichlorobenzene	> 120	< 120	< 90	< 60
Ethylbenzene	> 1500	< 1500	< 1000	< 750
2-Butoxyethanol	> 2000	< 2000	< 1500	< 1000
Styrene	> 500	< 500	< 350	< 250
TVOC	> 2000	< 2000	< 1500	< 1000

Remark:

Unit:ug/m³

Calculated Result = SER / q

The concentrations of exposition are calculated in a conventional reference room of a total volume (V) of 30m³, in which is applied a rate of air renewal (n) of 0.5h⁻¹ and which dimensions are specified here below:

	Surface (S) (m ²)	Load rate (L=S/V) (m ² /m ³)	Surface specific emission output (q=n/L) (m ³ .m ⁻² .h ⁻¹)
Floor	12	0.4	1.25
Ceiling	12	0.4	1.25
One door	1.6	0.05	10
One window	2	0.07	7
Walls (minus door and window)	31.4	1	0.5
Joints (or very small surfaces)	0.2	0.007	70

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.



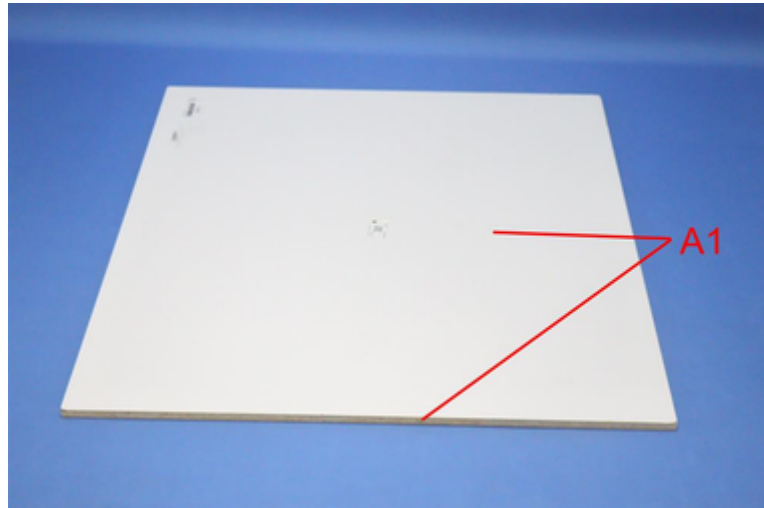
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Sample Photo:



*** End of Report ***



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