

## Test Report

No.: CANIN23014131802

Date: Dec 28, 2023

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Client Name: SHANGHAI INTCO INDUSTRIES CO.,LTD.

Client Address: NO.1299 HUBIN ROAD, FENG XIAN DISTRICT, SHANGHAI 201417 P R CHINA

Sample Name: PS wall panel

Refer No.: SHCCM2311001896

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

SGS Job No.: GZCCM2311001099

Sample Receiving Date: Nov 15, 2023

Testing Period: Nov 15, 2023 ~ Dec 28, 2023

Test Requested: Select 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).

Conclusion: Based on the submitted sample(s) , test was performed 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, sample is A+ class.

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

Jessie Li

Jessie-JX Li  
Approved Signatory

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Guangzhou Branch

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**Test Result(s):**

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	CAN23-0141318-0001.C001	Grey board with wood grain surface&black surface

**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 & ISO16000-3:2022.

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)	001	
<b>Test condition</b>				
Chamber Volume	-	m <sup>3</sup>	0.05	-
Storage condition (Temperature)	-	°C	23.6	-
Storage condition (Humidity)	-	%	51.3	-
Air Exchange Rate	-	/h	0.5	-
Sample loading	-	m <sup>2</sup> /m <sup>3</sup>	1.000	-
Tenax Sampling Flow	-	mL/min	200	-
Tenax Sampling Time	-	minute(s)	25	-
Tenax Sampling Volume	-	L	5	-
DNPH Sampling Flow	-	mL/min	300	-
DNPH Sampling Time	-	minute(s)	60	-
DNPH Sampling Volume	-	L	18	-
MDL_1	-	µg/m <sup>3</sup>	2.0	-
<b>VOCs and Carbonyl Compounds</b>				
Test Time	-	-	-	28th day
Formaldehyde	50-00-0	µg/m <sup>3</sup>	-	ND
Acetaldehyde	75-07-0	µg/m <sup>3</sup>	-	ND
Toluene	108-88-3	µg/m <sup>3</sup>	-	ND
Tetrachloroethene	127-18-4	µg/m <sup>3</sup>	-	ND
Xylene	1330-20-7	µg/m <sup>3</sup>	-	ND
1,2,4-Trimethylbenzene	95-63-6	µg/m <sup>3</sup>	-	ND
1,4-Dichlorobenzene	106-46-7	µg/m <sup>3</sup>	-	ND
Ethylbenzene	100-41-4	µg/m <sup>3</sup>	-	ND
Ethylene Glycol	-	-	-	-
Monobutylether(Butoxyethanol)	111-76-2	µg/m <sup>3</sup>	-	ND
Styrene	100-42-5	µg/m <sup>3</sup>	-	ND



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Test Item(s)	CAS No.	Unit(s)	001	
Total Volatile Organic Compounds(TVOC)	-	µg/m <sup>3</sup>	-	2.4

**Notes:**

1. µg/m<sup>3</sup> = 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/m<sup>3</sup>  
 Calculated Result = SER / q

The concentrations of exposition are calculated in a conventional reference room of a total volume (V) of 30m<sup>3</sup>, in which is applied a rate of air renewal (n) of 0.5h<sup>-1</sup> and which dimensions are specified here below:

	Surface (S) (m <sup>2</sup> )	Load rate (L=S/V) (m <sup>2</sup> /m <sup>3</sup> )	Surface specific emission output (q=n/L) (m <sup>3</sup> .m <sup>-2</sup> .h <sup>-1</sup> )
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:



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\*\*\* End of Report \*\*\*



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