

INTCO INTERNATIONAL (HK) CO.,LTD
SUITE 1606, 16TH FLOOR, TOWER2, THE GATEWAY, HARBOUR CITY, HONGKANG 999077

Sample Description : PS WALL PANEL

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. : QDHL2307010211HI, CAN23-092909

Sample Receiving Date : Jul 27, 2023

Test Performing Date : Jul 27, 2023 to Aug 23, 2023

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	EN 13986:2004+A1:2015 - Formaldehyde Emission	E1
2	Semi-quantitative analysis of the top 20 individual and total volatile organic compounds (TVOC) emission on the submitted sample.	See Results

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

Joan Huang



Joan Huang
Authorized Signatory



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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center, Harbin

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Test Result(s) :

Test Part Description :

SGS Sample ID	Description
CAN23-092909.001	Dark gray plastic with brown & dark brown surface

Remarks :

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

EN 13986:2004+A1:2015 - Formaldehyde Emission

Test Method : With reference to EN 717-1:2004, analysis was performed by UV-Vis.

Test Item(s)	Unit	MDL	001
Formaldehyde Emission (In air)	mg/m ³	0.050	ND

Notes :

- (1) mg/m³ = milligram per cubic meter
- (2) Reference Limit: BS EN 13986:2004+A1:2015
 Formaldehyde class E1: ≤0.124 mg/m³ air
 Formaldehyde class E2: >0.124 mg/m³ air

Semi-quantitative analysis of the top 20 individual and total volatile organic compounds (TVOC) emission on the submitted sample.

Test Metho(s): With reference to ISO 16000-9:2006 / COR1-2007 & ISO 16000-6:2021 & ISO 16000-3:2011.

Testing was performed by Environmental Chamber (1m³), 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).

NO.	Compound Name	CAS No.	Results [mg/m ³]	Classification
			7 th day	



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1	Cyclohexane	110-82-7	0.007	-
2	Toluene	108-88-3	0.004	Repr.2
3	Styrene	100-42-5	0.003	-
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21	TVOC	-	0.015	-

- Remark: 1. N.D.=not detectable (<R.L.)
 2. R.L. = 2.5µg/(m²· h) / R.L.= 2.0µg/m³
 3. µg/(m²· h) = micrograms per square metre and hour / µg/m³ = micrograms per cubic metre
 4. Results were based on semi-quantitative analysis and calculated by toluene TIC calibration curve.
 5. Qualitative analysis bases on the NIST & Wiley Library search results. Substance name will be provided when substance searched by NIST & Wiley library is of a similarity > 85%. "Unknown" or "? + substance" will be provided when substance searched by NIST & Wiley library with a similarity < 85%.

Remark: Upon receipt, the sample wasn't packed in Aluminum Foil.

Carbonyl Compounds:

Compound Name	CAS No.	Results [mg/m ³]
		7 th day
Formaldehyde	50-00-0	ND
Acetaldehyde	75-07-0	ND



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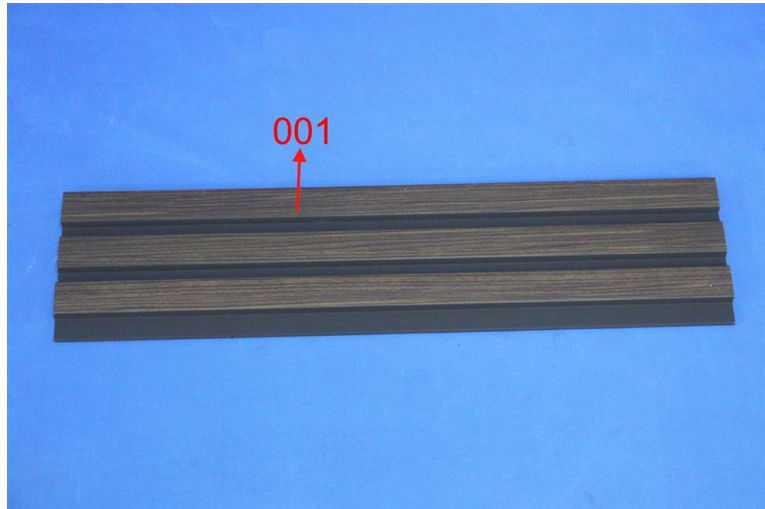
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- Remark: 1. N.D.=not detectable (<R.L.)
 2. R.L. = $2.5\mu\text{g}/(\text{m}^2 \cdot \text{h})$ / R.L.= $2.0\mu\text{g}/\text{m}^3$
 3. $\mu\text{g}/(\text{m}^2 \cdot \text{h})$ = micrograms per square metre and hour / $\mu\text{g}/\text{m}^3$ = micrograms per cubic metre

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.

Sample photo:



End of Report



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