

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.

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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) :

	Test Requirement	Conclusion
1	Volatile organic compounds (VOCs)	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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
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 :

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

**Volatile organic compounds (VOCs)**

Test Metho(s):

With reference to EN 16516-2017.  
Testing was performed by Environmental Chamber (1 m<sup>3</sup>), 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 <sup>3</sup> ]	Carcinogenic (Y)
			7 <sup>th</sup> day	
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				



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Guangzhou Branch Testing Center Headlines

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14				
15				
16				
17				
18				
19				
20				
21	TVOC	-	0.015	-

- Remark: 1. N.D.=not detectable (<R.L.)  
 2. R.L. = 2.5µg/( m<sup>2</sup>· h) / R.L.= 2.0µg/m<sup>3</sup>  
 3. µg/( m<sup>2</sup>· h) = micrograms per square metre and hour / µg/m<sup>3</sup> = 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%.

**Carbonyl Compounds:**

Compound Name	CAS No.	Results in chamber[mg/m <sup>3</sup> ]	Calculated results in model room[mg/m <sup>3</sup> ]
		7 <sup>th</sup> day	
Formaldehyde	50-00-0	ND	ND
Acetaldehyde	75-07-0	ND	ND

- Remark: 1. N.D.=not detectable (<R.L.)  
 2. R.L. = 2.5µg/( m<sup>2</sup>· h) / R.L.= 2.0µg/m<sup>3</sup>  
 3. Calculated VOC concentrations in the model room (model room volume = 31.4 m<sup>3</sup> and air exchange rate = 0.5 h<sup>-1</sup>)



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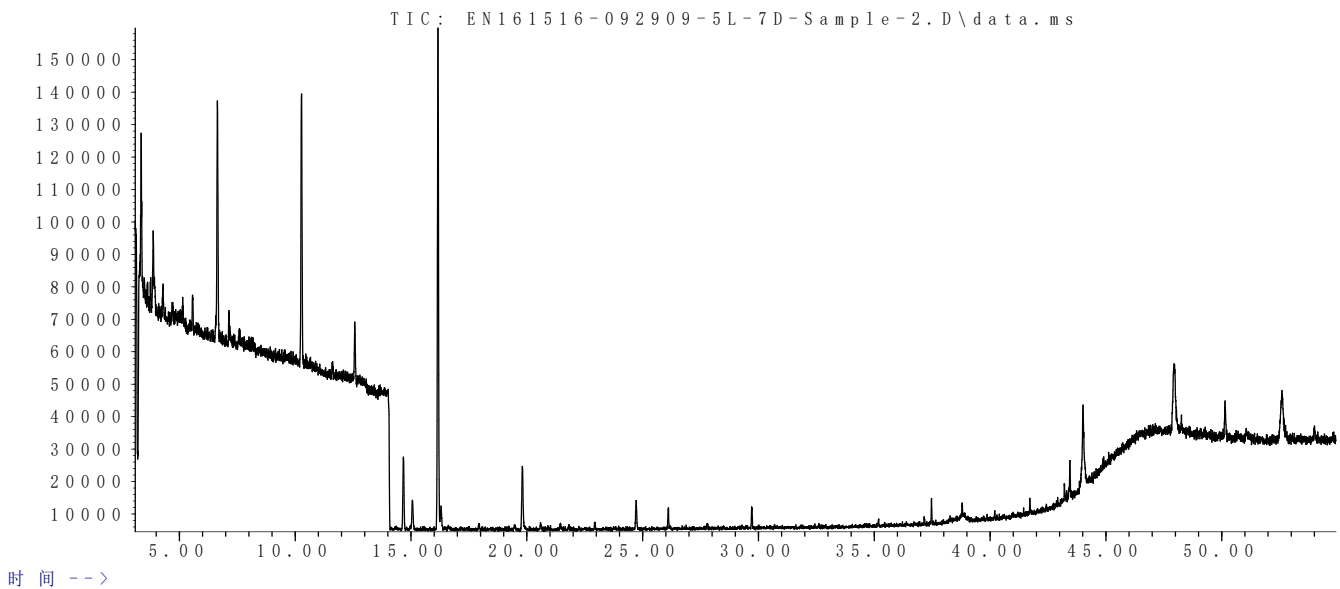
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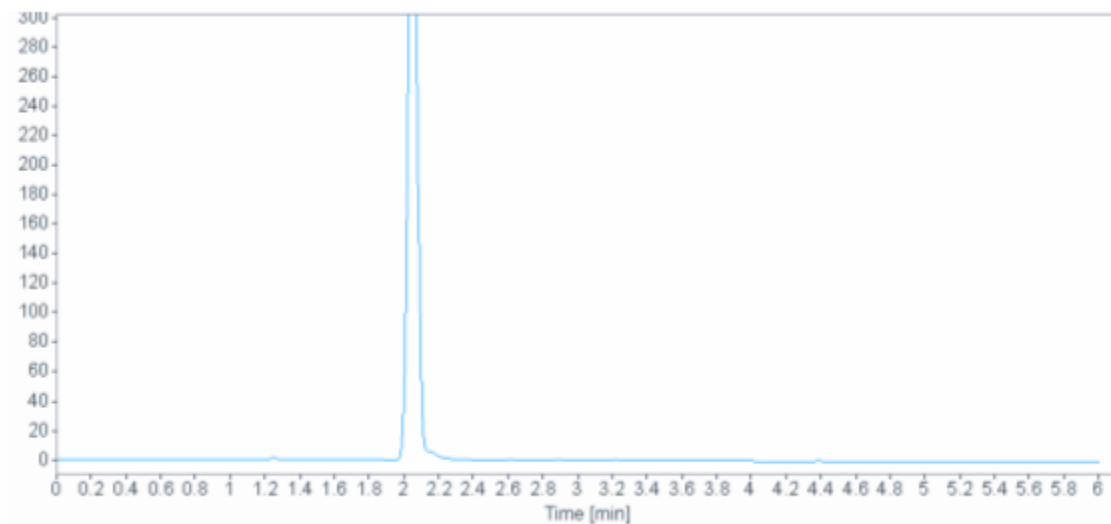
### Chromatogram:

VOC

丰度



### Carbonyl Compounds



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Test condition

Chamber volume (m <sup>3</sup> )	1
Test temperature (°C)	23 ± 1
Relative humidity (rH%)	50 ± 3
Air exchange rate (1/h)	0.5
Loading factor (m <sup>2</sup> /m <sup>3</sup> )	1
Tenax-TA sampling flow (mL/min)	200
Tenax-TA sampling time (min)	25
Tenax-TA sampling volume (L)	5
DNPH sampling flow (mL/min)	1000
DNPH sampling time (min)	60
DNPH sampling volume (L)	60

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.

Remark: The content of this test report is extracted from the test report number GZHL2307024142OT.



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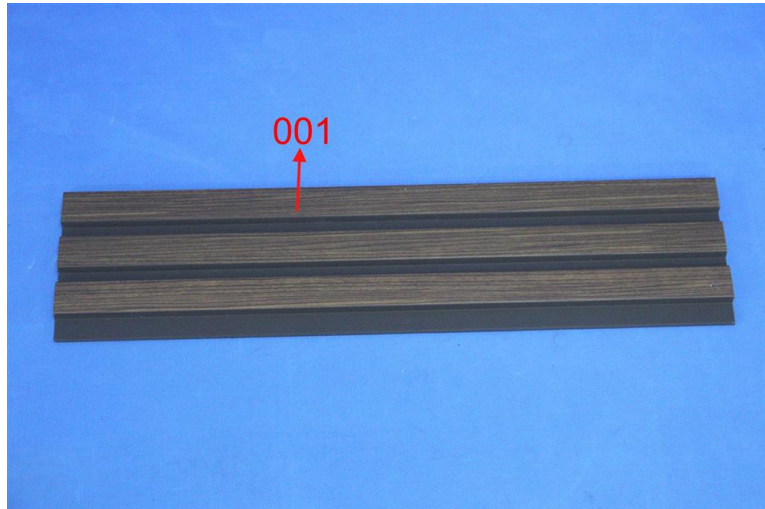
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Sample photo:



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



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