

Test Report

No.: CANIN25019580101

Date: Aug 29, 2025

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Client Name: CHANGZHOU HUAREN DECORATIVE MATERIAL CO., LTD

Client Address: NO.110 CHANGHONG ROAD, WUJIN DISTRICT, CHANGZHOU CITY, JIANGSU

Sample Name: SPC WALL PANEL

Manufacturer: CHANGZHOU HUAREN DECORATIVE MATERIAL CO., LTD

Product Specification: 2400*465*4MM

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

SGS Job No.: GZCCM2508001482, NBCCM2507000122

Sample Receiving Date: Aug 11, 2025

Testing Period: Aug 11, 2025 ~ Aug 27, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): With reference to BS EN 16516:2017+A1:2020.
Testing was performed by Environmental Chamber (0.05m³),
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 Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Volatile Organic Compounds(VOC)	See Results

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

Allie Chen

Allie Chen
Approved Signatory

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Guangzhou Branch Standards Technical Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	CAN25-0195801-0001.C001	Light gray board with gray surface with multi-color surface

Remarks:

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

Volatile Organic Compounds(VOC)

No.	Compound Name	CAS No.	Results [μg/m³]	Calculated results in model room [μg/m³]	Carcinogenic [Y]
			7days		
1	Cyclohexanone	108-94-1	7.6	7.6	-
2	4-Heptanone, 2,6-dimethyl-	108-83-8	4.2	ND	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	-	-	-	-
18	-	-	-	-	-
19	-	-	-	-	-
20	-	-	-	-	-
21	TVOC	-	11.8	7.6	-
22	TSVOC	-	3.4	ND	-



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Remark:

1. ND=not detectable (<MDL)
2. MDL= 5.0µg/m³ (Except carcinogens), MDL= 1.0µg/m³ (Carcinogen)
3. 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" will be provided when substance searched by NIST & Wiley library with a similarity < 85%.
6. > = exceed the range of calibration curve.
7. * = saturated peak was found in the chromatogram
8. Calculated VOC concentrations in the model room (model room volume = 31.4 m³ and air exchange rate = 0.5 h⁻¹)

Carbonyl Compounds

Compound Name	CAS No.	Results in chamber [µg/m ³]	Calculated results in model room [ppm]
		7days	
Formaldehyde	50-00-0	ND	ND
Acetaldehyde	75-07-0	ND	ND

Remark:

1. ND=not detectable (<MDL.)
2. MDL= 2.0µg/m³
3. Calculated VOC concentrations in the model room (model room volume = 31.4 m³ and air exchange rate = 0.5 h⁻¹)

Test condition

Chamber volume (m ³)	0.05
Test temperature (°C)	23±1
Relative humidity (rH%)	50±3
Air exchange rate (1/h)	0.5
Loading factor (m ² /m ³)	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)	300
DNPH sampling time (min)	60
DNPH sampling volume (L)	18



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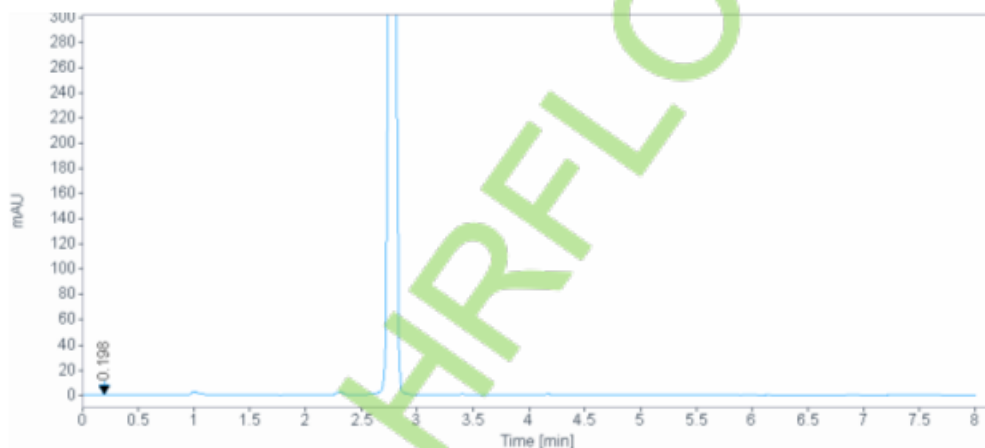
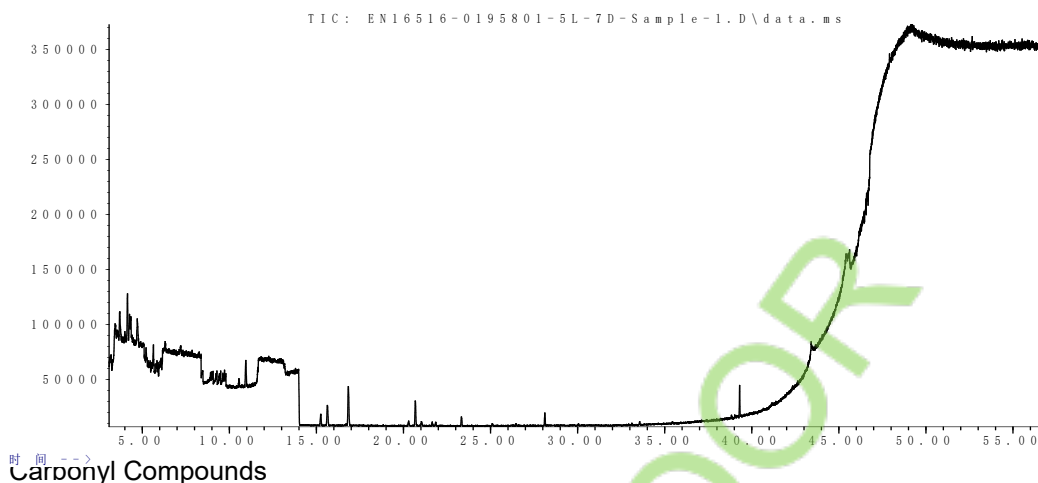
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Chromatogram:

VOC

丰度



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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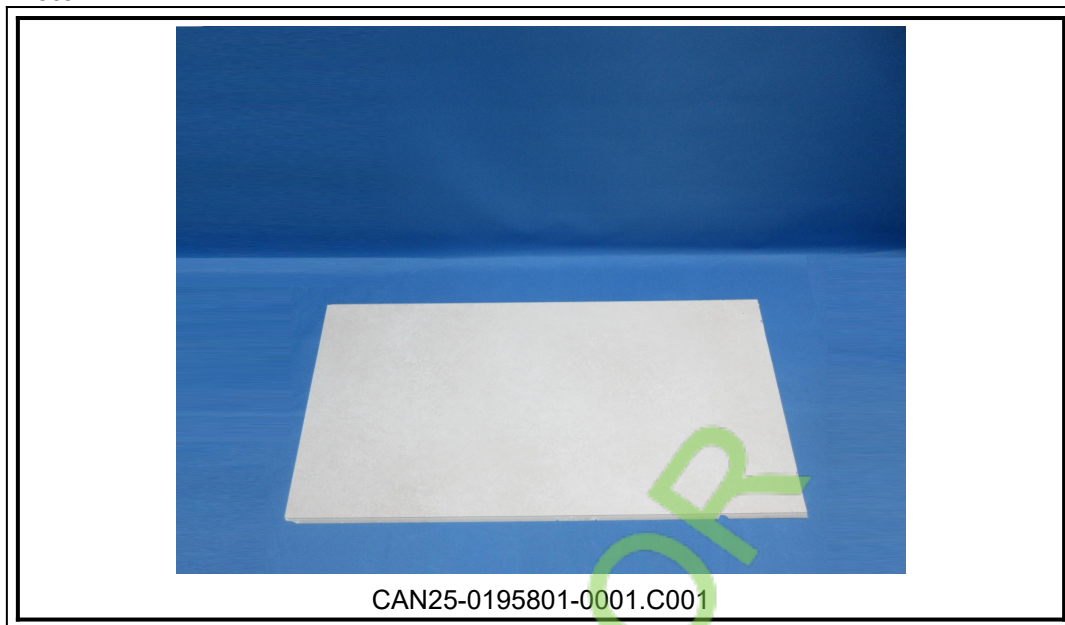
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Sample Photo:



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