



Test Report

No. CANMLC2300552401

Date: 08 Feb 2023

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Client Name :

Client Address : CHIPING AREA, LIAOCHENG CITY, SHANDONG PROVINCE, CHINA

Sample name: SPC flooring
Specification: 1220*184*4mm
Manufacturer:

The above sample(s) and information were submitted and identified on behalf of the clients.

SGS Job No.: GZIN2301000074CM
SGS Ref No.: SHIN2301000046CM, QDIN2301000025PL01
Date of Sample Received: 10 Jan 2023
Testing Period: 10 Jan 2023 - 20 Jan 2023
Test Requested: Selected test (s) as requested by client.
Test Method: With reference to EN 14041-2018&EN 16516-2017 .
Testing was performed by Environmental Chamber (0.06m³),
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 Results: Please refer to next page(s).

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

Coral Qiu

Coral Qiu .
Approved Signatory .



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Test Results:

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	CAN23-005524.001	Grey board with beige surface

VOCs:

NO.	Compound Name	CAS No.	Results [$\mu\text{g}/\text{m}^3$]	Calculated results in model room [$\mu\text{g}/\text{m}^3$]	Carcinogenic (Y)
			7 rd day		
1	m/p-Xylene	108-38-3 106-42-3	3.0	ND	
2	Tetradecane	629-59-4	2.4	ND	
3	Hexadecane	544-76-3	2.2	ND	
4	-	-	0.0	-	
5	-	-	0.0	-	
6	-	-	0.0	-	
7	-	-	0.0	-	
8	-	-	0.0	-	
9	-	-	0.0	-	
10	-	-	0.0	-	
11	-	-	0.0	-	
12	-	-	0.0	-	
13	-	-	0.0	-	
14	-	-	0.0	-	
15	-	-	0.0	-	
16	-	-	0.0	-	
17	-	-	0.0	-	
18	-	-	0.0	-	
19	-	-	0.0	-	
20	-	-	0.0	-	
21	TVOC	-	7.6	ND	-
22	TSVOC	-	ND	ND	-



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Remark:

1. ND=not detectable (<MDL)
2. MDL= 2.0 $\mu\text{g}/\text{m}^3$ (Except carcinogens), MDL= 1.0 $\mu\text{g}/\text{m}^3$ (Carcinogen)
3. $\mu\text{g}/\text{m}^3$ = 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. Calculated VOC concentrations in the model room (model room volume = 31.4 m^3 and air exchange rate = 0.5 h^{-1})



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7. Carbonyl Compounds:

Compound Name	CAS No.	Results in chamber[$\mu\text{g}/\text{m}^3$]	Calculated results in model room[$\mu\text{g}/\text{m}^3$]
		7 rd day	
Formaldehyde	50-00-0	ND	ND
Acetaldehyde	75-07-0	ND	ND

Remark:

1. ND=not detectable (<MDL.)
2. MDL= $2.0\mu\text{g}/\text{m}^3$
3. Calculated VOC concentrations in the model room (model room volume = 31.4 m^3 and air exchange rate = 0.5 h^{-1})



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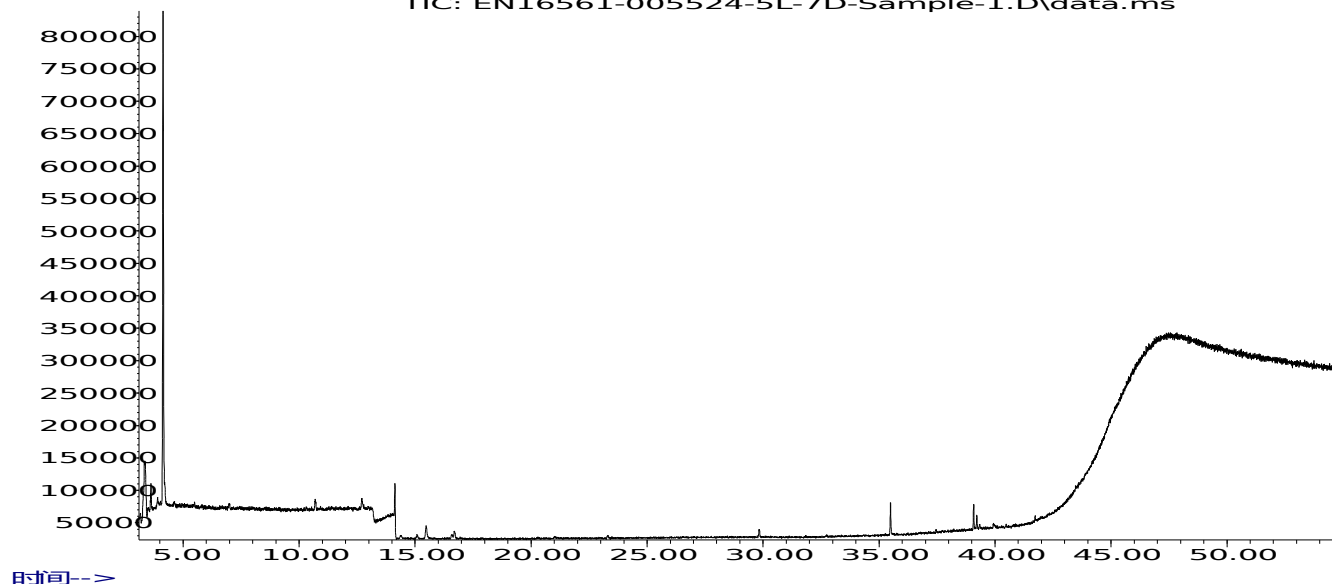
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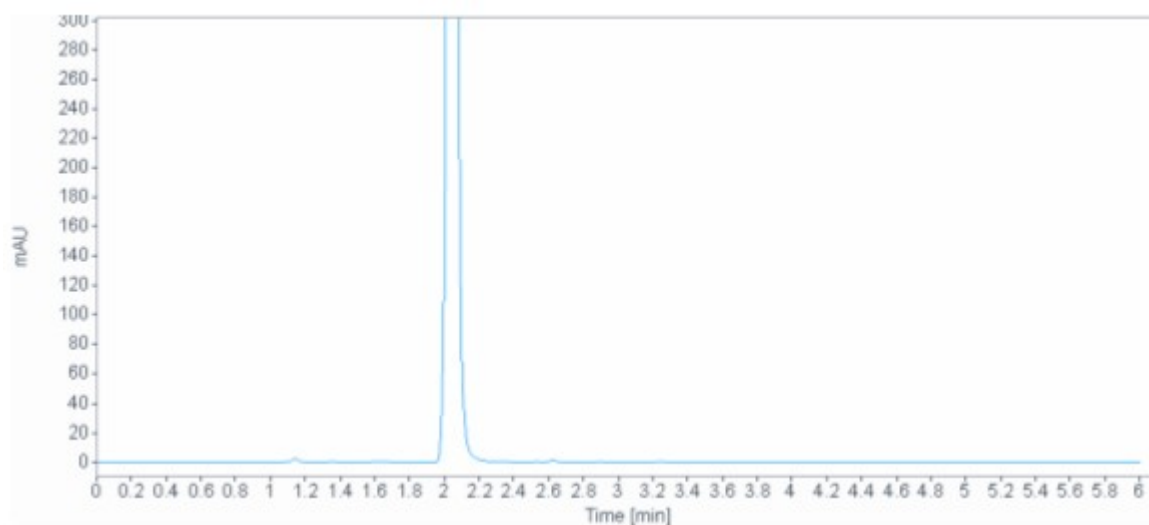
Chromatogram:

VOC
丰度

TIC: EN16561-005524-5L-7D-Sample-1.D\data.ms



Carbonyl Compounds



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Test condition

Chamber volume (m ³)	0.06
Test temperature (°C)	23±1
Relative humidity (rH%)	50±3
Air exchange rate (1/h)	0.5
Loading factor (m ² /m ³)	0.4
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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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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