



Test Report

No.: GZHL2306018363OT

Date: Jun 30, 2023

Page 1 of 6

CHANGZHOU DACHUAN ENVIRONMENTAL PROTECTION TECHNOLOGY DEVELOPMENT CO.,LTD
NO.2,CHUANGSHENG ROAD,INDUSTRIAL CONCENTRATION AREA,LUOYANG TOWN,WUJIN
DISTRICT,CHANGZHOU,CHINA

Sample Description : SWF

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. : CZHL2306003633HI, CAN23-081195

Sample Receiving Date : Jun 06, 2023

Test Performing Date : Jun 14, 2023 to Jun 30, 2023

Test Performed : Selected test(s) as requested by applicant

Test Result(s) :

Test Requested	Result
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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Guangzhou Branch Testing Center, Harbin

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Test Results:

Test Part Description:

SGS Sample ID	Description
CAN23-081195.001	"SWF"

VOCs:

Test Method:

With reference to EN 16516-2017。
 Testing was performed by Environmental Chamber (1 m³), 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 [µg/m ³]	Calculated results in model room[µg/m ³]	Carcinogenic (Y)
				7 th day	
1	-	-	ND	-	-
2	-	-	ND	-	-
3	-	-	ND	-	-
4	-	-	ND	-	-
5	-	-	ND	-	-
6	-	-	ND	-	-
7	-	-	ND	-	-
8	-	-	ND	-	-
9	-	-	ND	-	-
10	-	-	ND	-	-
11	-	-	ND	-	-
12	-	-	ND	-	-
13	-	-	ND	-	-
14	-	-	ND	-	-
15	-	-	ND	-	-
16	-	-	ND	-	-
17	-	-	ND	-	-
18	-	-	ND	-	-
19	-	-	ND	-	-
20	-	-	ND	-	-



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21	TVOC	-	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)



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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 th day	
Formaldehyde	50-00-0	3.2	3.2
Acetaldehyde	75-07-0	ND	ND

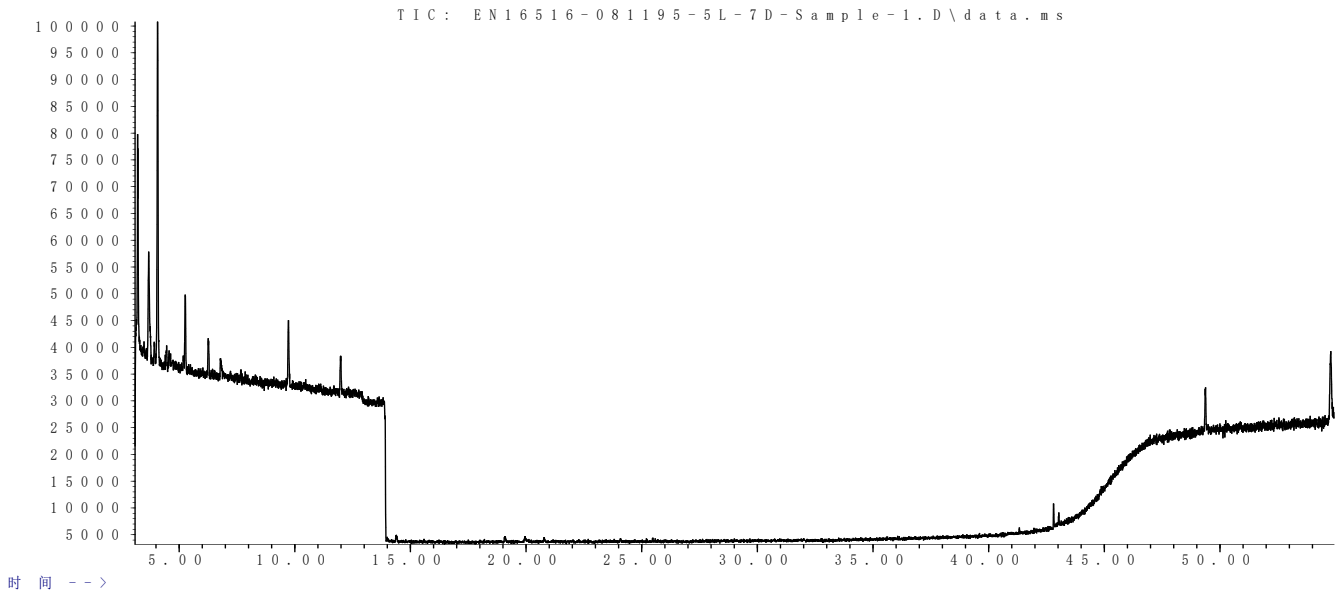
Remark:

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})

Chromatogram:

VOC

丰度



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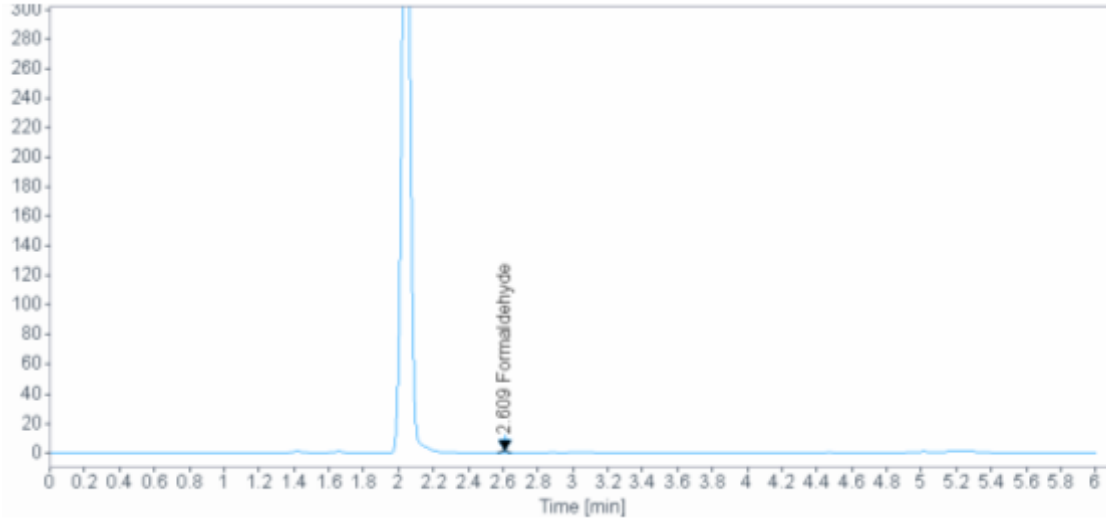
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Carbonyl Compounds



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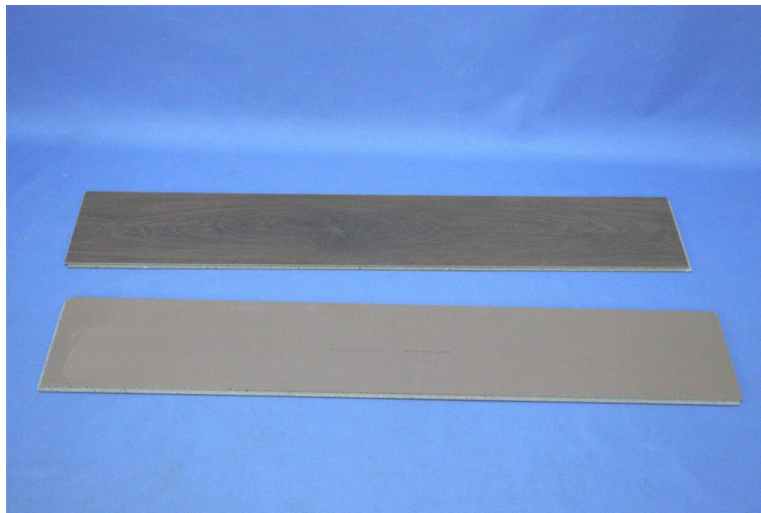
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Test condition

Chamber volume (m ³)	1.0
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)	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.

Sample photo:



Product Photo

End of Report



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