

## TEST REPORT

No. : XMIN2311001397CM04\_EN

Date : 2023-12-04

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CUSTOMER NAME: TERRA-MATER FLOORS PTY LTD.  
ADDRESS: 23-27 RODEO DRIVE DANDENONG SOUTH VIC 3175 AUSTRALIA

Sample Name : VINYL FLOORING  
Product Specification : 1422.4×228.6×3.0mm  
Other Information : Colour: Wood

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : CANIN23013942201  
Date of Receipt : 2023-11-13  
Testing Period : 2023-11-13 ~ 2023-12-04  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co.,Ltd. Xiamen Branch.

Bryan Hong  
Authorized signatory



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SGS-CSTC Standards Technical Services Co., Ltd.  
Xiamen Branch Testing Laboratory

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Test Requirement	Conclusion
VOCs & Carbonyl Compounds	See Results



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### Test Result(s):

Test Part Description: VINYL Flooring

### VOCs & Carbonyl Compounds

Test Method: With reference to ASTM D5116-17.

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).

Test Item(s)	CAS No.	Unit(s)	Result
<b>Chamber Analysis Condition</b>			
Chamber Volume	-	m <sup>3</sup>	0.05
Testing Temperature	-	°C	23.9
Testing Humidity	-	%	51.2
Air Exchange Rate	-	/h	0.5
Sample loading	-	m <sup>2</sup> /m <sup>3</sup>	0.4
Tenax Sampling Flow	-	mL/min	200
Tenax Sampling Time	-	minute(s)	25
Tenax Sampling Volume	-	L	5
DNPH Sampling Flow	-	mL/min	300
DNPH Sampling Time	-	minute(s)	60
DNPH Sampling Volume	-	L	18
MDL_1	-	µg/m <sup>3</sup>	2.0
MDL_2	-	µg/(m <sup>2</sup> ·h)	2.5
Test Period Time	-	day	7
<b>VOCs</b>			
Benzene	71-43-2	µg/m <sup>3</sup>	ND
Toluene	108-88-3	µg/m <sup>3</sup>	ND
Ethylbenzene	100-41-4	µg/m <sup>3</sup>	ND
m,p-Xylene	106-42-3 /108-38-3	µg/m <sup>3</sup>	ND
o-Xylene	95-47-6	µg/m <sup>3</sup>	ND
Styrene	100-42-5	µg/m <sup>3</sup>	ND
Total Volatile Organic Compounds(TVOC)	-	µg/m <sup>3</sup>	2.6
Benzene	71-43-2	µg/(m <sup>2</sup> ·h)	ND
Toluene	108-88-3	µg/(m <sup>2</sup> ·h)	ND
Ethylbenzene	100-41-4	µg/(m <sup>2</sup> ·h)	ND
m,p-Xylene	106-42-3 /108-38-3	µg/(m <sup>2</sup> ·h)	ND



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Test Item(s)	CAS No.	Unit(s)	Result
o-Xylene	95-47-6	µg/(m <sup>2</sup> ·h)	ND
Styrene	100-42-5	µg/(m <sup>2</sup> ·h)	ND
Total Volatile Organic Compounds(TVOC)	-	µg/(m <sup>2</sup> ·h)	3.3
<b>Carbonyl Compounds</b>			
Formaldehyde	50-00-0	µg/m <sup>3</sup>	ND
Acetaldehyde	75-07-0	µg/m <sup>3</sup>	ND
Formaldehyde	50-00-0	µg/(m <sup>2</sup> ·h)	ND
Acetaldehyde	75-07-0	µg/(m <sup>2</sup> ·h)	ND

**Notes:**

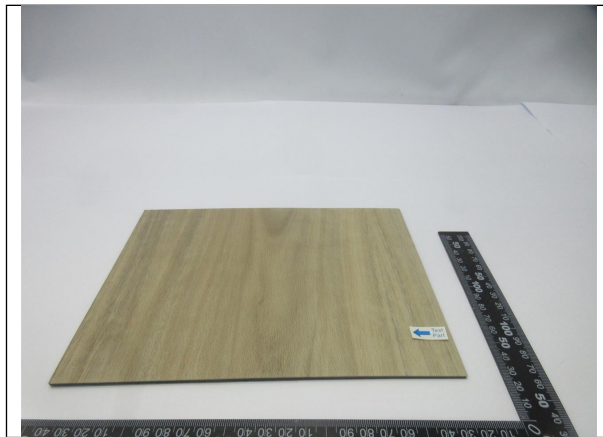
1. µg/m<sup>3</sup> = micrograms per cubic metre / µg/( m<sup>2</sup> h) = micrograms per square metre and hour

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.

**Remarks:**

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated
- (5) The above test project/method was carried out by subcontractors.

Original Sample Photo:



\*\*\*\*\*End of report\*\*\*\*\*



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