

CHANGZHOU LAMICRAFT CONSTRUCTIONS CO.,LTD  
 TONGJIANG AVENUE N391-ROOM C502, XINBEI DISTRICT, CHANGZHOU, JIANGSU,CHINA

Sample Description : SPC FLOORING  
 Style No. : CDW2081L-2  
 Manufacturer : CHANGZHOU LAMICRAFT CONSTRUCTIONS CO.,LTD  
 Supplier : CHANGZHOU LAMICRAFT CONSTRUCTIONS CO.,LTD

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. : CAN21-156876/CZHL2108005118HI  
 Sample Receiving Date : Aug 20, 2021  
 Test Performing Date : Aug 20, 2021 to Sep 09, 2021  
 Test Performed : Selected test(s) as requested by applicant  
 Test Result(s) :

Test Requested	Result
AgBB - Evaluation procedure for VOC emissions from building products; August 2018	Pass

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



Yan Lau  
 Authorized Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 198 Kazuo Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**Test Results:**
**Test Part Description:**

SGS Sample ID	Description
CAN21-156876.001	"SPC FLOORING"

**VOCs:**
**Test Method** : With reference to ISO 16000-9:2006 / Cor.1:2007

Testing was performed by Environmental Chamber (0.05m<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 (HPLC).

NO.	Compound Name	CAS No.	Results [mg/m <sup>3</sup> ]	Classification
			7 day	
1	Acetic acid, ethyl ester	141-78-6	0.003	
2	1,3,5-Trifluorobenzene	372-38-3	0.002	
3	Benzene	71-43-2	0.003	Carc.1A / Muta.1B
4	Toluene	108-88-3	0.003	Repr.2
5	Acetic acid, butyl ester	123-86-4	0.005	
6	Cyclotrisiloxane, hexamethyl-	541-05-9	0.007	
7	Benzaldehyde	100-52-7	0.004	
8	alkene, alkanol, cycloalkane + Phenol	108-95-2	0.003	Muta.2
9	Decane	124-18-5	0.011	
10	aliphatic compound		0.006	
11	1-Hexanol, 2-ethyl	104-76-7	0.005	
12	Cyclohexane, butyl-	1678-93-9	0.006	
13	aliphatic compound + alkene, alkanol, cycloalkane		0.004	
14	aliphatic compound + alkene, alkanol, cycloalkane		0.003	
15	aliphatic compound + alkene, alkanol, cycloalkane		0.007	
16	aliphatic compound + alkene, alkanol, cycloalkane		0.005	
17	Ethanone, 1-phenyl- + aliphatic compound + alkene, alkanol, cycloalkane	98-86-2	0.006	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kiehu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

NO.	Compound Name	CAS No.	Results [mg/m <sup>3</sup> ]	Classification
			7 day	
18	alkene, alkanol, cycloalkane		0.003	
19	Undecane	1120-21-4	0.023	
20	Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)- + aliphatic compound	89-82-7	0.006	
21	alkene, alkanol, cycloalkane		0.003	
22	aliphatic compound		0.004	
23	Pentanedioic acid, dibutyl ester	6624-57-3	0.003	

- Remark: 1. ND=not detectable (<MDL)  
 2. MDL.= 0.001mg/m<sup>3</sup>  
 3. mg/m<sup>3</sup> = milligrams 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%.  
 6. None of the remaining substances identified in the course of the library search and named by CAS-No. is listed in applicable edition of Regulation (EG) Nr. 1272/2008 including ATP and Annexe in the Carc.1A, 1B.

**Carbonyl Compounds:**

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

- Remark: 1. ND=not detectable (<MDL)  
 2. MDL= 0.002mg/m<sup>3</sup>  
 3. mg/m<sup>3</sup> = milligrams per cubic metre

**Evaluation according to the AgBB-August 2018**

Days	Quantity to be assessed	Condition to be fulfilled	Exposure concentrations	Compliance
Day 7	TVOC [mg/m <sup>3</sup> ]	≤0.5	0.123	Yes



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kiehu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Day 7	$\Sigma$ SVOC [mg/m <sup>3</sup> ]	≤0.05	0.003	Yes
Day 7	$\Sigma$ Carc.( Carc. 1A, Carc. 1B) [mg/m <sup>3</sup> ]	≤0.0005	0.003	/
Day 7	R= $\Sigma$ (C <sub>i</sub> /LCI <sub>i</sub> )	≤0.5	0.116	Yes
Day 7	$\Sigma$ VOC without LCI [mg/m <sup>3</sup> ]	≤0.05	0.003	Yes

## Test condition:

Chamber volume (m <sup>3</sup> )	0.05
Test temperature (°C)	23
Relative humidity (rH%)	50±5
Air exchange rate (1/h)	0.5
Sample Loading (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)	300
DNPH sampling time (min)	60
DNPH sampling volume (L)	18

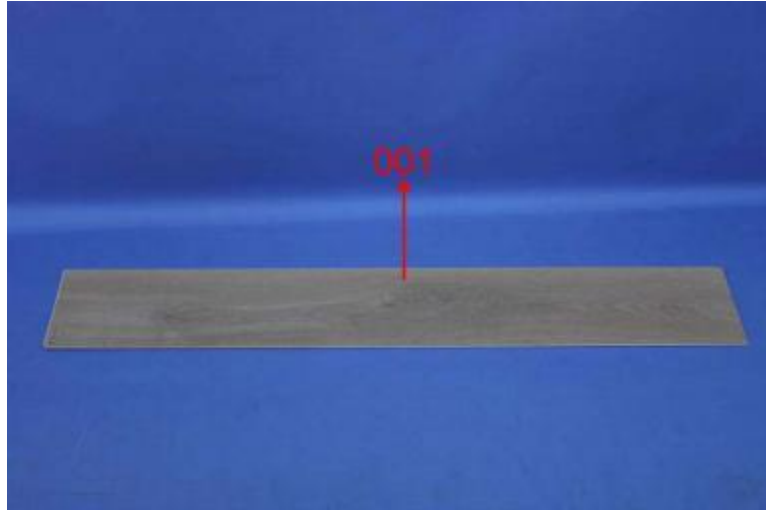


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kizhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Sample photo:



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



SGS-CSTC 标准检测技术有限公司 广州分公司  
Guangzhou Branch Testing Center Handlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kizhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075191 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075191 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)