

## TEST REPORT

**APPLICANT** : SHENYANG KELIN NEW MATERIAL CO., LTD.  
**ADDRESS** : A4-545 NO. 1 BONDED ROAD, INTEGRATED FREE TRADE ZONE, SHENYANG, CHINA.  
**TESTED SAMPLE DESCRIPTION** : TILE JOINTS ADHESIVE  
**TESTED STYLE / ITEM NO.** : NA  
**SUPPLIER** : SHENYANG KELIN NEW MATERIAL CO., LTD.  
**COUNTRY OF ORIGIN** : CHINA  
**COUNTRY OF DESTINATION** : NA  
**SAMPLE RECEIVED DATE** : MAR. 19, 2021  
**TEST PERIOD** : MAR. 19, 2021 TO MAY 24, 2021  
**RESULT SUMMARY** :

TEST(S) REQUESTED BY APPLICANT:	RESULT
French VOC Regulation	A+

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

SIGNED FOR AND ON BEHALF OF  
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO., LTD.



James Luo  
Senior VOC Testing Engineer



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Lab & Product Development Manager



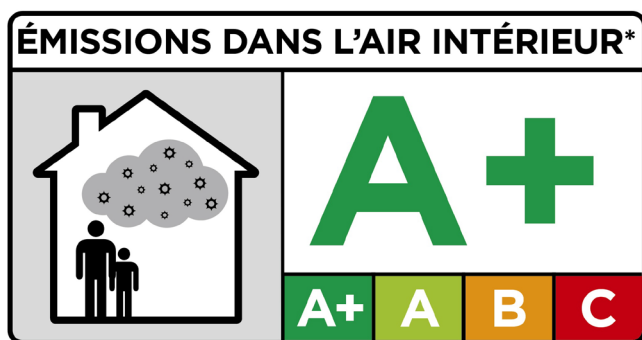
The above sample(s) and sample information was/were submitted and identified on behalf of the applicant. Eurofins will not be liable for the authenticity of the information. This test report is valid for the tested sample only. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

### Test Method

Method	Principle	Parameter	Detection Limit	Uncertainty
ISO 16000 parts -3, -6, -9, -11	TDS-GC/MS	VOC CMR	5 µg/m <sup>3</sup> 1 µg/m <sup>3</sup>	17.5% (RSD) U = 2 x RSD= 35%
	HPLC/UV	Volatile aldehydes	5 µg/m <sup>3</sup>	16% (RSD) U = 2 x RSD= 32%
<b>Test chamber parameter</b>				
Chamber volume (L):	119	Temperature (°C):	23	Relative humidity (%): 50
Air change rate (per hour):	0.5	Loading ratio (m <sup>2</sup> /m <sup>3</sup> )	0.007	
<b>Test condition: Sample stayed in test chamber during the whole 28 days testing period.</b>				

### Resulting VOC Emissions Class Label

This recommendation is based on French regulation as published on 25 March 2011 (décret DEVL1101903D) and on 13 May 2011 (arrêté DEVL1104875A). For details please see [www.eurofins.com/france-voc](http://www.eurofins.com/france-voc).



*\*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)*

The tested product **fulfills** the requirements of the French regulation DEVP09908633A of 30 April 2009 and DEVPP0910046A of 28 May 2009. For details please see [www.eurofins.com/france-voc](http://www.eurofins.com/france-voc).

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co., Ltd.**

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**Test Result**

	Concentration after 28 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	57.2	>2000	<2000	<1500	<1000
Formaldehyde	<5	>120	<120	<60	<10
Acetaldehyde	<5	>400	<400	<300	<200
Toluene	<5	>600	<600	<450	<300
Tetrachloroethylene	<5	>500	<500	<350	<250
Ethylbenzene	<5	>1500	<1500	<1000	<750
Xylene	<5	>400	<400	<300	<200
Styrene	<5	>500	<500	<350	<250
2-Butoxyethanol	<5	>2000	<2000	<1500	<1000
Trimethylbenzene	<5	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	<5	>120	<120	<90	<60
<b>CMR compounds</b>		Maximum allowed air concentration			
Benzene	<1			<1	
Trichloroethylene	<1			<1	
Dibutyl phthalate (DBP)	<1			<1	
Diethylhexyl phthalate (DEHP)	<1			<1	

Remark:

&lt; Means less than

&gt; Means higher than

This VOCs test covered only substances that can be adsorbed on Tenax-TA and that can be thermally desorbed and analyzed by gas chromatography mass spectrometric detector. If other emission occurred then these could not be monitored or with limited reliability only. The method is not optimal for very volatile compounds. For these substances small results and a higher uncertainty in the measurement cannot be excluded. VOCs without pure standards were identified by comparison with a mass spectrum obtained from a library. Calibrated as toluene equivalent.

Note:

The chamber test and analyses were done in Eurofins Testing Technology (Shenzhen) Co., Ltd.

**Other Information / Remark:**

In case of any divergence of interpretation, the English version of test report (EFSN21030952C-V) shall prevail.

\*\*\*TO BE CONTINUED\*\*\*

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**Photo Attachment (Tested Sample)**

**TILE JOINTS ADHESIVE**



**Photo Attachment**

THE PHOTOS BELOW ARE ATTACHED ONLY FOR THE CUSTOMER'S REFERENCE.  
HOWEVER, THEY ARE IRRELEVANT IN THE TESTING PROCESS.

**TILE JOINTS ADHESIVE**

\*\*\*END OF THE REPORT\*\*\*