

TEST REPORT



98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea

TEL 82-2-2164-0011

FAX 82-2-2634-1008

Report No : TAK-2019-103857

Receipt Date : 2019.07.01.

Representative : ROH SANG CHEUL

Test Completion Date : 2019.07.22.

Company name : SHINILFRAME CO., LTD.

Address : 45, Hyuam-ro 117beon-gil, Wollong-myeon, Paju-si, Gyeonggi-do

Sample name : PS materials for bathroom

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD	SITE
TVOC emission	mg/m ² · h	-	0.079	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK
Benzene emission	mg/m ² · h	-	0.001 below	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK
Toluene emission	mg/m ² · h	-	0.024	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK

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Seo Woorim

Prepared by Seo Woorim

Tel : 02-2092-3841

Chang-Seok Jeong

Reviewed by Chang-Seok

Tel : 1577-0091(ARS ①-④)

2019.07.22

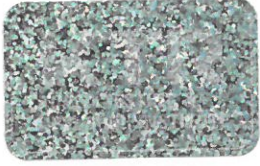
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President Deputy *Kyung J Kang*

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Ethylbenzene emission	mg/m ² · h	-	0.004	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK
Xylene emission	mg/m ² · h	-	0.003	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK
Styrene emission	mg/m ² · h	-	0.010	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK

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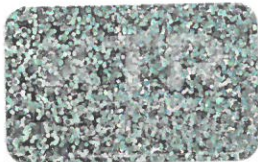
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Formaldehyde emission	mg/m ² · h	-	0.001	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK
*Acetaldehyde emission	mg/m ² · h	-	0.002	National Institute of Environmental Research Notice No. 2018 - 64 Standard methods for the examination of environmental pollution (indoor air, ES 02131.1c)	AK

* Emission result averaged by using 2 chambers

** Emission Test Condition

1. Test period : 7 days

2. Load factor : 2.0 m² /m³

3. Sample : Solid building materials (Exposed area: 143 mm x 143 mm x 2 ea)

4. MDL : TVOC - 0.004 mg/m² · h,HCHO, CH₃CHO - 0.001 mg/m² · hBenzene, Toluene, Ethylbenzene, Xylene, Styrene - 0.001 mg/m² · h

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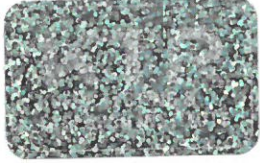
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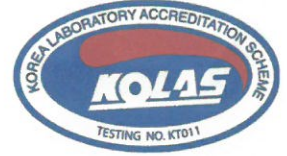
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- Usage of Report : SUBMITTED PURPOSE FOR(KOREA AIR CLEANING ASSOCIATION)

* This laboratory is not accredited for the test result(s) marked ※.

- Note :
1. The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You Can check website (www.ktr.or.kr) or QR code to verify the authenticity of the certificate.
 2. This test report shall be used only within the purpose of its defined usage and shall not be used fo public relation, advertisement and lawsuit.
 3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. The copy and the electronic file of the test report are only for reference.

The above testing certificate is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

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