

TEST REPORT

APPLICANT: SEOULWALLPAPER

REPORT NO.

: H240-19-08076-01

SAMPLE RECEIVED DATE : 2019-10-30

TEST STARTED DATE

: 2019-10-30

REPORT ISSUED DATE

: 2019-12-30

PAGE

: 1 OF 2

DESCRIPTION: ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE WALLPAPER

BUYER'S NAME

: KOREA ENVIRONMENTAL INDUSTRY & TECHNOLOGY INSTITUTE

: PLAIN(339-3, 0.43MM) ITEM

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

PREPARED AND CHECKED BY FOR FITI

KRY SUNG SEX SUNG SIK, KIM

QUALITY MANAGER

AUTHORIZED BY

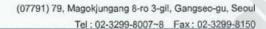
Jun Je 400

JE-GOO JUN PRESIDENT

※ Report Verification No.: 1LX3-31PT-VI1N ※

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)







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01. VCM CONTENT (KS K 0730: 2017): mg/kg

#1

LESS THAN 0.1

NOTE) DETECTION LIMIT = 0.1 mg/kg VCM = VINYLCHLORIDE MONOMER THE SAMPLE ANALYZED GC/MSD

02. HEAVY METAL'S CONTENT (ENVIRONMENTAL HAZARDOUS FACTORS PROCESS TEST STANDARDS (NATIONAL INSTITUTE OF ENVIRONMENTAL RESEARCH NO.2019-32 (2019.08.27))): mg/kg

#1

CADMIUM (Cd)

LEAD (Pb)

MERCURY (Hg)

CHROMIUM VI (Cr VI)

NOT DETECTED

NOT DETECTED

NOT DETECTED

NOTE) QUANTITATIVE LIMIT : Cd = 30 mg/kg

Pb = 60 mg/kg

Hg, Cr VI = 45 mg/kg

NOT DETECTED MEANS BELOW QUANTITATIVE LIMIT

** End of The Report **







FITI Testing & Research Institute

(07791) 79, Magokjungang 8-ro 3-gil, Gangseo-gu, Seoul

Tel: 02-3299-8007~8 Fax: 02-3299-8150



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1. Client

Name

: SEOULWALLPAPER

(BUYER'S NAME: KOREA ENVIRONMENTAL INDUSTRY & TECHNOLOGY INSTITUTE)

Address

: 77, Chilbongsan-ro 286beon-gil, Yangju-si, Gyeonggi-do, Republic of Korea

Sample Description : PLAIN(339-3, 0.43MM)

3. Date of Test : 2019. 10. 30 ~ 2019. 12. 30

4. Location of Test : Permanent On Site Testing

(Address: 21, Yangcheong 3-gil, Ochang-eup, Cheongwon-gu, Cheongju-si, Chungbuk, Korea)

5. Test method used : See the next page(s).

Test Results : See the next page(s).

Affirmation

Tested by

Name: Kkotbora Heo

Technical Manager

Name: Young-hwan Oh

The above testing certificate is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA(International Laboratory Accreditation Cooperation-Mutual Recognition Arrangement).

2019-12-30

FITI Testing & Research Institute

President Jun Je 400

Accredited by KOLAS, Republic of KOREA

Report Verification No : GJK5-FUA1-RFW5 *

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

FITI-P014-02(Rev.0)





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01. DETERMINATION OF THE EMISSION OF VOLATILE ORGANIC COMPOUNDS AND FORMALDEHYDE FROM BUILDING MATERIALS BY SMALL-SCALE EMISSION TEST CHAMBER METHOD (NATIONAL INSTITUTE OF ENVIRONMENTAL RESEARCH NO.2018-64 (2018.12.21) ES 02131.1c): mg/m²·h

#1

TVOC	TOLUENE	FORMALDEHYDE
0.002	LESS THAN 0.001	LESS THAN 0.001

mg/m¹·h: AREA SPECIFIC EMISSION RATE (EFa)

TEST DETAILS

ITEMS		DETAILS
EMISSION TEST CHAMBER CONDITION	TEMPERATURE(°C): (25 ± 1)	
	RELATIVE HUMIDITY (%): (50 ± 5)	
	AIR CHANGE RATE(CYCLES/h): (0.5 ± 0.05)	
SPECIMEN AREA	SPECIMEN AREA (m²): 0.042 6	
AND PRODUCT LOADING FACTOR	PRODUCT LOADING FACTO	R (m²/m²): 2.0
SPECIMEN SAMPLING	SAMPLING SORBENT TUBE	TVOC : TENAX-TA SORBENT TUBE HCHO : DNPH CATRIDGE
	SAMPLING VOLUMES (L)	TVOC: 4.0 HCHO: 6.0
	CHAMBER EMISSION TIME(h): (168 ± 2)	
MEASURING INSTRUMENT	EMISSION TEST CHAMBER SIZE(L): 20	
	TEMPERATURE, AIR HUMIDITY, AIR FLOW METER, AIR SAMPLING DEVICE : ADPAC SYSTEM(JAPAN)	
	TVOC : ATD(PERKIN ELMER TUBOMATRIX ATD, USA) GC/MSD(PERKINELMER CLARUS 680/SQ 8 T)	
	HCHO: HPLC(AGILENT 1290 SERIES, USA)	

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02. PHTHALATES CONTENT (KS M 1991: 2016): mg/kg

	#1	
DBP (DI-N-BUTYL PHTHALATE)	LESS THAN 50	
BBP (BUTYL BENZYL PHTHALATE)	LESS THAN 50	
DEHP (DI(ETHYLHEXYL) PHTHALATE)	LESS THAN 50	
DNOP (DI-N-OCTYL PHTHALATE)	LESS THAN 50	
DINP (DI-ISO-NONYL PHTHALATE)	LESS THAN 50	
DIDP (DI-ISO-DECYL PHTHALATE)	LESS THAN 50	
NOTE) DETECTION LIMIT = 50 mg/kg		

** End of The Report **



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