

Emission Test Certificate

Thursday 23rd March 2022

Supplier: Woven Image Pty Ltd (37-39 Chard Road, BROOKVALE, NSW, 2100, AUSTRALIA)

Sample Description: Fuji 97.7% PET (64% Recycled)/2.3% PCL Panel

Date Tested: March 2022 (Tested by FORAY Laboratories – NATA Accreditation 1231)

Test Method: Standard Method for the Testing and Evaluation of Volatile Organic Chemical
Emissions from Indoor Sources Using Environmental Chambers, Version 1.2: 2017
(Emission testing method for California Specification CA 01350)

Sample and Chamber conditions during test period:

Temperature	23.4°C ± 0.5°C
Humidity	48% ± 5%
Chamber Volume	50L
Chamber Flow Rate	0.771 L/min
Chamber Pressure	102.3 kPa
Product Loading	0.59 m ² /m ³
Air Exchange Rate	0.925 hr ⁻¹
Emission Collection Time	1445 min for formaldehyde and aldehydes and 124 min for Thermal Desorption tubes VOCs.
Sample Surface Area	0.03 m ²
Exposure of sample in chamber	14 days (336 hours)

Test summary: The air samples were collected from the emission chamber at 336 hours for aldehydes and VOCs. The aldehyde gases were collected on DNPH-treated silica tubes (SKC 226-119) and analysed by Ultra High-Performance Liquid Chromatography (UHPLC). The VOC gases were collected on Tenax TA Thermal Desorption tubes and analysed by ATD-GC-MS as TO-17.

Emission Data:

California Specification CA 01350	Fuji 97.7% PET (64% Recycled)/2.3% PCL Panel
TVOC Emission Rate Limit: <0.500 mg/m ³	TVOC Emission Rate*: 0.020 mg/m ³
Formaldehyde Emission Rate Limit: <9 µg/m ³	Formaldehyde Emission Rate*: <1 µg/m ³
<i>All other Target CREL VOCs and their emission rate are well below the maximum allowable concentrations in accordance with Table 4-1 of the standard method (please see it in Annex 1 below).</i>	

* The stated result was calculated from an emission rate applied to the Standard Private Office Model (Table 4-4) using 11.15 m² exposed ceiling area, room volume of 30.6 m³, and ventilation rate of 0.68 hr⁻¹.



Fuji 97.7% PET (64% Recycled)/2.3% PCL Panel sample



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Annex 1: TVOC & Target VOC estimated concentration as Table 4-1 from Fuji 97.7% PET (64% Recycled)/2.3% PCL Panel.

Sample ID	CAS number	Estimated Concentrations* ($\mu\text{g}/\text{m}^3$)
Analyte		149528
TVOC (C ₅ -C ₁₇)	-	20
Acetaldehyde	75-07-0	<1.0
Benzene	71-43-2	<1.0
Carbon disulfide	75-15-0	<1.0
Carbon tetrachloride	56-23-5	<1.0
Chlorobenzene	10-90-7	<1.0
Chloroform	67-66-3	<1.0
1,4-dichlorobenzene	106-46-7	<1.0
1,1-dichloroethene	75-35-4	<1.0
N, N-dimethylformamide	68-12-2	<1.0
1,4-dioxane	123-91-1	<1.0
Epichlorohydrin	106-89-8	<1.0
Ethylbenzene	100-41-4	<1.0
Ethylene glycol	107-21-1	<1.0
Ethylene glycol monomethyl ether	110-80-5	<1.0
Ethyleneglycol monomethyl ether acetate	111-15-9	<1.0
Ethyleneglycol monomethyl ether	109-86-4	<1.0
Ethyleneglycol monomethyl ether acetate	110-49-6	<1.0
Formaldehyde	50-00-0	<1.0
n-hexane	110-54-3	<1.0
Isophorone	78-59-1	<1.0
Isopropanol	67-63-0	<1.0
Methyl chloroform	71-55-6	<1.0
Methylene chloride	75-09-2	2.0
Methyl t-butyl ether	1634-04-4	<1.0
Naphthalene	91-20-3	<1.0
Phenol	108-95-2	<1.0
Propylene glycol monomethyl ether	107-98-2	<1.0
Styrene	100-42-5	<1.0
Tetrachloroethene	127-18-4	<1.0
Toluene	108-88-3	1.0
Trichloroethylene	79-01-6	<1.0
Vinyl acetate	108-05-4	<1.0
Xylenes (m-, o- & p-)	108-38-3, 95-47-6, 106-42-3	<1.0

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