

Emission Test Certificate

Tuesday 12th April 2022

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

Sample Description: EMBOSSSED IV PET (51% Recycled) 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	23.2°C ± 0.4°C
Humidity	51% ± 5%
Chamber Volume	50L
Chamber Flow Rate	0.778 L/min
Chamber Pressure	102.5 kPa
Product Loading	0.68 m ² /m ³
Air Exchange Rate	0.945 hr ⁻¹
Emission Collection Time	1350 min for formaldehyde and aldehydes and 120 min for Thermal Desorption tubes VOCs.
Sample Surface Area	0.034 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	EMBOSED IV PET (51% Recycled) Panel
TVOC Emission Rate Limit: <0.500 mg/m ³	TVOC Emission Rate*: <0.010 mg/m ³
Formaldehyde Emission Rate Limit: <9 µg/m ³	Formaldehyde Emission Rate*: <5 µg/m ³
<p><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></p>	

* The stated result was calculated from an emission rate applied to the Standard Private Office Model (Table 4-4) using 33.4 m² exposed wall area, room volume of 30.6 m³, and ventilation rate of 0.68 hr⁻¹.



Embossed IV PET (51% Recycled) Panel sample



Dr. Vyt Garnys
 PhD, BSc(Hons) AIMM, ARACI, ISIAQ
 ACA, AIRAH, FMA
 Managing Director and Principal Consultant



Travis Hale
 BSc (Biotechnology)
 Senior Consultant



Dr. Tuan Duong
 PhD, B.Eng. (Chemical)
 Senior Consultant

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Annex 1: TVOC & Target VOC estimated concentration as Table 4-1 from Embossed IV PET (51% Recycled) Panel.

Sample ID	CAS number	Estimated Concentrations* ($\mu\text{g}/\text{m}^3$)
Analyte		149898
TVOC (C ₅ -C ₁₇)	-	<0.010
Acetaldehyde	75-07-0	<5.0
Benzene	71-43-2	<2.0
Carbon disulfide	75-15-0	<2.0
Carbon tetrachloride	56-23-5	<2.0
Chlorobenzene	10-90-7	<2.0
Chloroform	67-66-3	<2.0
1,4-dichlorobenzene	106-46-7	<2.0
1,1-dichloroethene	75-35-4	<2.0
N, N-dimethylformamide	68-12-2	<2.0
1,4-dioxane	123-91-1	<2.0
Epichlorohydrin	106-89-8	<2.0
Ethylbenzene	100-41-4	<2.0
Ethylene glycol	107-21-1	<2.0
Ethylene glycol monomethyl ether	110-80-5	<2.0
Ethyleneglycol monomethyl ether acetate	111-15-9	<2.0
Ethyleneglycol monomethyl ether	109-86-4	<2.0
Ethyleneglycol monomethyl ether acetate	110-49-6	<2.0
Formaldehyde	50-00-0	<5.0
n-hexane	110-54-3	<2.0
Isophorone	78-59-1	<2.0
Isopropanol	67-63-0	<2.0
Methyl chloroform	71-55-6	<2.0
Methylene chloride	75-09-2	5.0
Methyl t-butyl ether	1634-04-4	<2.0
Naphthalene	91-20-3	<2.0
Phenol	108-95-2	<2.0
Propylene glycol monomethyl ether	107-98-2	<2.0
Styrene	100-42-5	<2.0
Tetrachloroethene	127-18-4	<2.0
Toluene	108-88-3	3.0
Trichloroethylene	79-01-6	<2.0
Vinyl acetate	108-05-4	<2.0
Xylenes (m-, o- & p-)	108-38-3, 95-47-6, 106-42-3	2.0

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