

## TEST REPORT SR 0158/22

**Client:** Microondulados Box Print Ltda.

**Address:** 7111, ERS-239 Highway, Campo Bom – RS – Brazil.

### Sample description and client identification:

- (1) One (01) sample of brown cardboard with white stamp.  
“FT 1605731 – CX Veja 295x200x105”.
- (2) One (01) sample of brown cardboard with white stamp.  
“FT 1605761 – CX Veja 335x210x120”.
- (3) One (01) sample of brown cardboard with white stamp.  
“FT 1372031 – Cx Veja 335x190x120”.

### Picture



**Application:** 60036

**Date of entry:** 12/22/2021

**Date of the test:** 12/14 until 01/21/2022.

**Note: The results presented in this document are valid only to the tested samples and may not be reproduced without the laboratory authorization. Authorization will only be given for the total reproduction of this document.**

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### TESTS AND RESULTS

#### Determination of alkylphenols and alkylphenol ethoxylates (NP, OP, OPEO, NPEO) (ISO 18254-1/16)<sup>1</sup>

Sample	Results (ppm)	Orientation (ppm) (RSL Veja)	Evaluation
1 + 2 + 3	< LQM	NP + OP: Maximum 100 ppm NPEO + OPEO: Maximum 100 ppm	PASS

#### Determination of Bisphenol A (BPA, BPS, BPF, BPAF) (US EPA 3550C: 2007 & ISO 18857 – 2: 2009)<sup>1</sup>

Sample	Results (ppm)	Orientation (RSL Veja)	Evaluation
1 + 2 + 3	< LQM	Maximum 1 ppm	PASS

#### Determination of formaldehyde (EN 645:1993 / EN 1541:2001)<sup>1</sup>

Sample	Results (ppm)	Orientation (RSL Veja)	Evaluation
1 + 2 + 3	< LQM	Maximum 150 ppm	PASS

#### Determination of metal content - Part 1: Determination of metals using microwave digestion (BS EN 16711-1:2015) - Analysis performed by ICP-OES

Sample	Results (ppm)	Orientation (RSL Veja)	Evaluation
1 + 2 + 3	Cd = < LQM	Maximum: Sum 100 ppm	PASS
	Cr = 23.40		PASS
	Hg = < LQM		PASS
	Pb = < LQM		PASS

#### Quantification Limit of Method – LQM

<b>Alkylphenols</b>	
- NP / OP: 10 ppm	OPEO/ NPEO: 50 ppm
- Bisphenols: 1 ppm	
- Formaldehyde: 5 ppm	
- BS EN 16711-1 (Total)	
Cadmium (Cd): 16,7 ppm	Lead (Pb): 16,7 ppm
Mercury (Hg): 0.5 ppm	Chromium (Cr): 16,7 ppm

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**<sup>1</sup>This test has been outsourced:**

**Enterprise:** Centre Testing International Group Co., Ltd.  
**Address:** Liuxian 3<sup>rd</sup> Road, Xin'an Street, Bao'an District, Shenzhen, P.R. China.  
**Document:** A2210538200126; A2210538200135  
**Date:** 01/06 a 01/11/2022;

**Considerations:**

ppm (parts per million) = mg/kg

Sampling was carried by client.

With the exception of the outsourced tests, the remaining tests were performed in the laboratory permanent facilities.

At the customer's request, the samples were grouped. In case of a positive result, IBTeC recommends testing each separate sample.

With no further information for the time being, we now issue the present report.

This report integrates the sheet of signatures attached.

Novo Hamburgo, January 21<sup>th</sup>, 2022.

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## TEST REPORT SR 0158/22

*Jaqueline Roese*

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Technical Analyst  
Jaqueline Roese - Chemical technician  
CRQ 05409456 - 5ª Region

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