

# Roediger Agencies cc

REG No: 93/29837/23  
VAT No: 4200155465

Polymer Science Building  
De Beer Street, STELLENBOSCH 7600  
www.roedigeragencies.co.za


## ANALYTICAL LABORATORY

PO Box 3202  
MATIELAND 7602

Tel: +27 21 887 0010  
Fax: +27 21 886 4731  
Cell: 083 250 9281

<b>Test report ref:</b>	1405ZIB1/1-3
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### Sample

<b>Sample description</b>	 Clam shell Hamburger tray (PET)
<b>Laboratory sample code</b>	1405ZIB1/1-3


### Test methods

BS EN 1186-3 2002; BS EN 1186-5 2002; BS EN 1186-7 2002; BS EN 1186-9 2002; ASTM D6042 2009; ASTM 6953 2011; ASTM D6042-09. In-house 14/2014 & 17/2014

### Client

<b>Name</b>	Zibo Containers (Pty) Ltd.
<b>Address</b>	Marius Visser PO Box 215 7581 BLACKHEATH

<b>Order no.</b>	14 May 2018	<b>Order date</b>	14 May 2018
<b>Sample received</b>	14 May 2018	<b>Date of test</b>	14 May 2018

**DIRECTOR:**   
Dr. AHA Roediger

This test report is issued by RAcc under its general conditions of service all results shown in this report refer only the sample(s) tested.

## Certified tests / measurements

No	Name of the index	Unit	Standard / validated methods	Measured value, uncertainty	Value and tolerance of the index	Test conditions
1	Overall migration	mg/dm <sup>2</sup>	BS EN 1186-5 2002	0.01	Acc. Commission Regulation (EU) no 10/2011 Max. 10	10 days at 40 °C, food simulant A (10% ethanol), ratio of volume of food simulant: area = 100 mL : 2.216 dm <sup>2</sup>
2	Specific migration: Content of primary aromatic amines in food simulants	mg/kg	In-house method 14/2014	<0.01	Acc. Commission Regulation (EU) no 10/2011 <0.01	10 days at 40 °C, food simulant A (10% ethanol), ratio of volume of food simulant: area = 100 mL : 2.216 dm <sup>2</sup>
3	Specific migration: Content caprolactam and caprolactam salt in food simulants	mg/kg	CEN/TS 13130-16:2005	<0.5	Acc. Commission Regulation (EU) no 10/2011 Max. 15	10 days at 40 °C, food simulant A (10% ethanol), ratio of volume of food simulant: area = 100 mL : 2.216 dm <sup>2</sup>
4	Specific migration: Content of ethylenediamine and hexamethylenediamine in food simulants	mg/kg	CEN/TS 13130-21:2005	EDA <0.5 HMDA <0.5	Acc. Commission Regulation (EU) no 10/2011 ethylenediamine Max. 12,0 hexamethylenediamine Max. 2,4	10 days at 40 °C, food simulant A (10% ethanol), ratio of volume of food simulant: area = 100 mL : 2.216 dm <sup>2</sup>
5	Specific migration: Content of antioxidants in food simulants	mg/kg	ASTM D6042 2009	BHT <0.0005 Erucamide <0.0005 Irganox3114 <0.0005 Irganox1010 <0.002 Irganox1076 <0.0005 Irgafos168 <0.008	Acc. Commission Regulation (EU) no 10/2011 BHT max. 3.0 mg/kg Erucamide max. 60.0 mg/kg Irganox3114 max. 5.0 mg/kg Irganox1010 max. 60.0 mg/kg Irganox1076 max. 6.0 mg/kg Irgafos168 max. 60.0 mg/kg	10 days at 40 °C, food simulant A (10% ethanol), ratio of volume of food simulant: area = 100 mL : 2.216 dm <sup>2</sup>
6	Specific migration: Content of metal ions	mg/kg	In-house method 17/2014	Al < 0.1 Ba < 0.1 Co < 0.05 Cu < 0.1 Fe < 0.1 Li < 0.1 Mn < 0.1 Ni < 0.01 Zn < 0.1	Acc. Commission Regulation (EU) no 10/2011 Al max. 1 Ba max. 1 Co max. 0.05 Cu max. 5 Fe max. 48 Li max. 0.6 Mn max. 0.6 Ni max. 0.02 Zn max. 5	10 days at 40 °C, food simulant A (10% ethanol), ratio of volume of food simulant: area = 100 mL : 2.216 dm <sup>2</sup>

## Summary

The Clam shell Hamburger tray (PET) conforms to the limitations put out by EU 10/2011 with regards to simulant A.