

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

Test report ref:	1405ZIB1/1-3
-------------------------	--------------

Sample

Sample description	 Clam shell Hamburger tray (PET)
Laboratory sample code	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

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

Order no.	14 May 2018	Order date	14 May 2018
Sample received	14 May 2018	Date of test	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 ²	BS EN 1186-5 2002	0.01	Acc. Commission Regulation (EU) no 10/2011 Max. 10	2 days at 20 °C, food simulant D2 (Isooctane), ratio of volume of food simulant: area = 100 mL : 2.216 dm ²
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	2 days at 20 °C, food simulant D2 (Isooctane), ratio of volume of food simulant: area = 100 mL : 2.216 dm ²
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	2 days at 20 °C, food simulant D2 (Isooctane), ratio of volume of food simulant: area = 100 mL : 2.216 dm ²
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	2 days at 20 °C, food simulant D2 (Isooctane), ratio of volume of food simulant: area = 100 mL : 2.216 dm ²
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	2 days at 20 °C, food simulant D2 (Isooctane), ratio of volume of food simulant: area = 100 mL : 2.216 dm ²
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	2 days at 20 °C, food simulant D2 (Isooctane), ratio of volume of food simulant: area = 100 mL : 2.216 dm ²

Summary

The Clam shell Hamburger tray (PET) conforms to the limitations put out by EU 10/2011 with regards to simulant D2.