



Test Report

Report No. A2180218690101

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Applicant BAGCO ASIA LIMITED

Address SUITE 1902, TAMSON PLAZA, 161 WAI YIP STREET, KWUN TONG, KOWLOON, HONG KONG

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	PEVA Lining for : 1) Sunshine' Picnic Backpack 2) Breezy' Picnic Cooler
Material	PEVA
Sample state	PEVA
Sample Received Date	Nov. 12, 2018
Testing Period	Nov. 12, 2018 to Nov. 28, 2018

Test Conducted:

As requested by the applicant, for details refer to next page(s).

Tested by

Marko Zeng

Reviewed by

Kathy Zhou

Approved by

Hill Zheng

Hill Zheng

Technical Manager

Nov. 28, 2018

No. T245871770

Centre Testing International Group Co.,Ltd.

CTI Building, No.4, Liuxian 3rd road, Xin'an Street, Bao'an District, Shenzhen, P.R.China

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Executive Summary:

TEST REQUEST

CONCLUSION

Refer to (EU) No. 10/2011 Commission Regulation on plastic materials and articles intended to come into contact with food and its amendments, and Regulation (EC) No. 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

- | | |
|-------------------------------------|-------------|
| - Overall migration | PASS |
| - Specific migration of heavy metal | PASS |

PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.

***** For Further Details, Please Refer To the Following Page(s) *****

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Refer to (EU) No. 10/2011 Commission Regulation on plastic materials and articles intended to come into contact with food and its amendments, and Regulation (EC) No. 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

▼ Overall migration

Test Method: Refer to BS EN 1186-3:2002

Food Simulant(s): 3% acetic acid; Test Condition: 40°C, 10d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Overall migration	N.D.	3.0	10	mg/dm ²

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 10d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Overall migration	N.D.	3.0	10	mg/dm ²

Test Method: Refer to BS EN 1186-14:2002

Food Simulant(s): 95% ethanol(Vegetable oil substitute); Test Condition: 40°C, 10d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Overall migration	N.D.	3.0	10	mg/dm ²

Food Simulant(s): Iso-octane(Vegetable oil substitute); Test Condition: 20°C, 2d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Overall migration	N.D.	3.0	10	mg/dm ²

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▼ Specific migration of heavy metal

Test Method: Refer to BS EN 13130-1:2004,(EU)No 10/2011,US EPA 6010D:2014

Food Simulant(s): 3% acetic acid; Test Condition: 40°C, 10d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Barium (Ba)	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	1	25	mg/kg

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 10d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Barium (Ba)	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	1	25	mg/kg

Food Simulant(s): 95% ethanol(Vegetable oil substitute); Test Condition: 40°C, 10d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Barium (Ba)	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	1	25	mg/kg

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Food Simulant(s): Iso-octane(Vegetable oil substitute); Test Condition: 20°C, 2d

Test Item(s)	Result	MDL	Reference Limit	Unit
	001			
Barium (Ba)	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	1	25	mg/kg

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm²/L, the area-volume ratio (S/V) of other migration is 0.60 dm²/ 0.100 L.
- The migration test result(s) was(were) based on the migration test of the first time.

Tested Sample/Part Description

001 White plastic

Note:

- The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

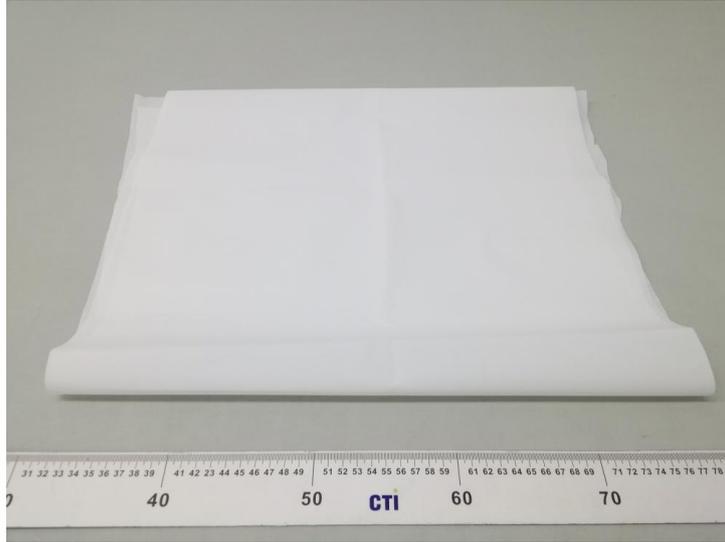
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 GROUP CO., LTD.

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Photo(s) of the sample(s)



*** End of Report ***

Statement:

1. This report is considered invalidated without approval signature, special seal and the seal on the perforation;
2. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
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