

Test Report

No. CANHG1714153802 A01

Date: 31 Jul 2017

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SUN-FLY INT'L BUSINESS DEVELOPMENT LTD.

ROOM 301, TENGHUI BUILDING, NO.28 ZHUCUN BEIHUAN ROAD, TIANHE DISTRICT, GUANGZHOU, CHINA, 510660

This report is to supersede test report CANHG1714153801

The following sample(s) was/were submitted and identified on behalf of the clients as : Double Locking Square Lunch Box

SGS Job No. : GZHL1707031542CW - GZ
 Tested Sample Info. : Style / Item No.: SFP-LB01
 Date of Sample Received : 21 Jul 2017
 Testing Period : 21 Jul 2017 - 27 Jul 2017
 Test Requested : Selected test(s) as requested by client.
 Test Method : Please refer to next page(s).
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration	PASS
Council of Europe Resolution AP (2004) 5 – Overall migration	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Specific Migration of Heavy Metal	PASS
Verification for label claim validity - Bisphenol A free by Total Content of Bisphenol A	PASS

Conclusion : When tested as specified by the client, the tested parameters comply with the requirement stated in Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004.



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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Ivy Ren
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN17-141538.001	White plastic box	Plastic
SN2	CAN17-141538.002	Translucent silicone rubber ring	Silicone rubber

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;
or EN 1186-3:2002 aqueous food simulants by total immersion method;
or EN 1186-14:2002 substitute test.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	1.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
10% Ethanol (V/V) Aqueous Solution	1.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
95% Ethanol	4.0hr(s)	60°C	10mg/dm ²	<3.0mg/dm ²	PASS
Isooctane	2.0hr(s)	60°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
mg/dm² = milligram per square decimeter
2. °C = degree Celsius
3. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.

Council of Europe Resolution AP (2004) 5 – Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;
or EN 1186-3:2002 aqueous food simulants by total immersion method;
or EN1186-2:2002 olive oil by total immersion method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Overall Migration</u>	<u>Comment</u>
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3% Acetic Acid (W/V) Aqueous Solution	1.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
10% Ethanol (V/V) Aqueous Solution	1.0hr(s)	100°C	10mg/dm ²	<3.0mg/dm ²	PASS
Rectified Olive Oil	2.0hr(s)	175°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with mg/dm² = milligram per square decimeter
2. °C = degree Celsius
3. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.
4. Result(s) was/were calculated based on the total contact surface of the sealing article and sealed container provided by client.

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Heavy Metal

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by ICP-OES.

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 100°Cx 0.5hr(s) follow by 70°Cx 2hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	5.4
Barium	1	mg/kg	0.25	0.51
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	25	mg/kg	0.5	ND
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with



- 2. °C = degree Celsius
- 3. MDL=Method Detection Limit
- 4. ND= Not Detected(less than MDL)

Verification for label claim validity - Bisphenol A free by Total Content of Bisphenol A

Test Method : With reference to Part II Section D2 of Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO, Japan External Trade Organization, 2009 (Dichloromethane extraction by ultrasonic bath). Analysis was performed by HPLC-MS

Test Item(s)	Unit	MDL	001
Total content of Bisphenol A	mg/kg	0.1	ND
Comment			PASS

Notes :

- 1. mg/kg = milligram per kilogram
- 2. MDL=Method Detection Limit
- 3. ND= Not Detected(less than MDL)



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