

Test Report

No. CANEC1914251801

Date: 05 Aug 2019

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FLASHBAY ELECTRONICS

1-4/F OF BLDG NO.3, BLDG NO.2, 101-501F OF BLDG NO.1, XIFENGCHENG INDUSTRIAL PARK, NO.2, FUYUAN ROAD, HEPING COMMUNITY, FUHAI STREET, BAOAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, P.R. CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : Drinkware

SGS Job No. : CP19-039480 - SZ
 Model No. : Thermo(TH)
 Date of Sample Received : 22 Jul 2019
 Testing Period : 22 Jul 2019 - 31 Jul 2019
 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 Acrylonitrile	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Specific Migration of Heavy Metal	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments – Residual 1,3-Butadiene	PASS

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

Amy Ye

Amy Ye
 Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-142518.001	Black plastic	ABS
SN2	CAN19-142518.002	Black plastic mug	PP
SN3	CAN19-142518.003	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 1186-9:2002 aqueous food simulants by article filling method;

<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>
20% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS

<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>
20% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

1. mg/dm² = milligram per square decimetre
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. 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.
6. Result(s) of 001 was/were calculated based on the total contact surface of the sealing article and sealed container provided by client.

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;



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<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003 Overall Migration</u>	<u>Comment</u>
20% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

1. mg/dm² = milligram per square decimetre
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. 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.
6. 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 Acrylonitrile

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 methods; analysis was performed by SPME-GC-MS.

Sample 001

Simulant Used : 20% Ethanol (V/V) Aqueous Solution

Test Condition : 70 °C 0.5 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific Migration of Acrylonitrile	0.01	mg/kg	0.01	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)



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 : 20% Ethanol (V/V) Aqueous Solution
 Test Condition : 70 °C 0.5 hr(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	-	6.0
Barium	1	mg/kg	0.25	ND
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	5	mg/kg	0.5	ND
Alumium	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND

Comment **PASS**

Sample 002

Simulant Used : 20% Ethanol (V/V) Aqueous Solution
 Test Condition : 70 °C 0.5 hr(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	-	6.0
Barium	1	mg/kg	0.25	ND
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



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Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Alumium	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	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)
5. The limits of nickel according to Commission Regulation (EU) 2017/752 shall be applied from 19 May 2019.

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments –Residual 1,3-Butadiene

Test Method : With reference to EN 13130-4:2004, analysis was performed by HS-GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
1,3-butadiene	106-99-0	1	mg/kg	0.1	0.3
Comment					PASS

Notes :

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



Sample photo:



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*** End of Report ***

