

Test Report

No. CANEC1918365403

Date: 29 Oct 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. : CP19-051395 - SZ
Model No. : Barista
Date of Sample Received : 18 Sep 2019
Testing Period : 18 Sep 2019 - 24 Oct 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).

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Result Summary :

Test Requested	Conclusion
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration	PASS
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) – Overall migration	PASS
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Acrylonitrile	PASS
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Primary Aromatic Amine	PASS
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments –Specific Migration of Heavy Metal	PASS
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) – Volatile compounds content	PASS
Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and 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	CAN19-183654.003	White plastic lid	ABS
SN2	CAN19-183654.004	Orange silicone rubber cup	Silicone rubber

Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and 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;

<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	10.0mg/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.

Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) – 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 1186-9:2002 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 004 Overall Migration</u>	<u>Comment</u>
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20% Ethanol (V/V) Aqueous Solution 2.0hr(s) 70°C 10mg/dm² <3.0mg/dm² 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.

Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and 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 003

Simulant Used : 3% Acetic acid (W/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	-	9.8
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)



Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Primary Aromatic Amine

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 13130-1:2004 for selection of test method and BfR Recommendation XXI. Analysis was performed by UV-Vis.

Sample 004

Simulant Used : 3% Acetic Acid (W/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	-	5.6
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	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)

Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and 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 methods; analysis was performed by ICP-OES.

Sample 003

Simulant Used : 3% Acetic Acid (W/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



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Area/Volume	-	dm ² /kg	-	9.8
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
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS

Sample 004

Simulant Used : 3% Acetic Acid (W/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	-	5.6
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
Aluminum	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.



Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) – Volatile compounds content

Test Method : With reference to Switzerland Ordonnance du DFI sur les objets et matériaux SR 817.023.21 Annex 5.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>
Volatile Compounds Content	0.5	%(w/w)	0.10	ND
Comment				PASS

Notes :

1. %w/w = percentage of weight by weight
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. Permissible Limit is according to Swiss Ordinance on Commodities, SR 817.023.21.

Swiss Regulation of the EDI relating to materials and articles intended to come into contact with food (Consumer Goods Regulation) and 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>003</u>
1,3-butadiene	106-99-0	1	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)



Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

