

Test Report

No. HKGEC1900676702

Date : 06 May 2020

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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 PRIVINCE, P.R. CHINA

This report supersedes all previous documents bearing the test report number HKGEC1900676702 with amendment by correcting report format.

The following sample was submitted and identified on behalf of the client as: DRINKWARE

SGS Job No. : – HK
SGS Reference No. : CP19-045236-8.5
Item No. Given by Client : MARATHON
Material No : PET+NYLON+PE, PP, SILICA GEL
Buyer : Flashbay Japan Co., Ltd.
Buyer Address : 3F TSR Bldg, 20-9 Nishi-shinbashi 1-Chome, Minato-ku, Tokyo, 105-0003, Japan
Manufacturer : FLASHBAY ELECTRONICS
Manufacturer Address : 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 PRIVINCE, P.R. CHINA
Country of Origin : CHINA
Country of Destination : JAPAN
Date of Sample Received : 20 Aug 2019
Testing Period : 20 Aug 2019 – 30 Aug 2019

Test Requested : Selected test (s) as requested by client.

Test Method & Results : Please refer to next page(s).

Test Results Summary : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Limited



Chan Chun Kit, Dickson
Operation Manager

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Result Summary

Test Requested	Conclusion
Japan Ministry of Health and Welfare Notice No. 370 and its amendments Part III Section D for the compliance of the provisions of paragraph 1 of Article 7 and Article 10 of Japan Food Sanitation Law (Law No. 233).	PASS
1. Plastics – Migration of coloring matter	PASS
2. Plastics – Total Lead and Cadmium content	PASS
3. Plastics – Heavy metals (as Lead)	PASS
4. Plastics – Consumption of Potassium Permanganate	PASS
5. Polyethylene /Polypropylene – Evaporation residue of water, 4% acetic acid, 20% ethanol and n-heptane	PASS

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Component List :

Style / Item No.	Part no.	Product Name	Test component list
MARATHON	1	Bottle body	Transparent/white Plastic (PE) (Bottle body) (A) (Tested item) (HKG19-006767.001)
MARATHON	2	Pull lid	White plastic (PE) (Pull lid) (B) (Tested item) (HKG19-006767.002)
MARATHON	3	Lid cover	Transparent plastic (PP) (Lid cover) (C) (Tested item) (HKG19-006767.003)
MARATHON	4	Inner bottle neck	Translucent plastic (PE) (Inner bottle neck) (D) (Tested item) (HKG19-006770.004)

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Test Results :

Japan Ministry of Health and Welfare Notice No. 370 and its amendments Part III Section D for the compliance of the provisions of paragraph 1 of Article 7 and Article 10 of Japan Food Sanitation Law (Law No. 233)

Method : With reference to Section III of Japan Ministry of Health and Welfare Notice No. 370 and its amendments.

a) Plastics – Migration of coloring matter

Simulant Used	Test Condition	Observation			
		1	2	3	4
Water	30 minutes at 60 °C	No color leach out	No color leach out	No color leach out	No color leach out
4% Acetic Acid	30 minutes at 60 °C	No color leach out	No color leach out	No color leach out	No color leach out
20% Ethanol	30 minutes at 60 °C	No color leach out	No color leach out	No color leach out	No color leach out
n-Heptane	60 minutes at 25 °C	No color leach out	No color leach out	No color leach out	No color leach out
Comment	--	PASS	PASS	PASS	PASS

Sample Description:

1. Transparent/white Plastic (PE) (Bottle body) (A) (Tested item) (HKG19-006767.001)
2. White plastic (PE) (Pull lid) (B) (Tested item) (HKG19-006767.002)
3. Transparent plastic (PP) (Lid cover) (C) (Tested item) (HKG19-006767.003)
4. Translucent plastic (PE) (Inner bottle neck) (D) (Tested item) (HKG19-006770.004)

Note : °C = degree Celsius

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Test Results : (Cont'd)

b) Plastics – Total Lead and Cadmium content

Test items	Result (µg/g)				Reporting Limit (µg/g)	Limit (µg/g)
	1	2	3	4		
Lead content	ND	ND	ND	ND	5	100
Cadmium content	ND	ND	ND	ND	5	100
Comment	PASS	PASS	PASS	PASS	--	--

Sample Description:

1. Transparent/white Plastic (PE) (Bottle body) (A) (Tested item) (HKG19-006767.001)
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3. Transparent plastic (PP) (Lid cover) (C) (Tested item) (HKG19-006767.003)
4. Translucent plastic (PE) (Inner bottle neck) (D) (Tested item) (HKG19-006770.004)

Note : 1. µg/g = microgram per gram
 2. ND = Not Detected

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Test Results : (Cont'd)

c) Plastics – Heavy metals (as Lead)

Test Condition : 4% acetic acid at 60°C for 30 minutes.

Test items	Result (µg/mL)				Reporting Limit (µg/mL)	Limit (µg/mL)
	1	2	3	4		
Heavy Metals (as Lead)	ND	ND	ND	ND	1	1
Comment	PASS	PASS	PASS	PASS	--	--

Sample Description:

1. Transparent/white Plastic (PE) (Bottle body) (A) (Tested item) (HKG19-006767.001)
2. White plastic (PE) (Pull lid) (B) (Tested item) (HKG19-006767.002)
3. Transparent plastic (PP) (Lid cover) (C) (Tested item) (HKG19-006767.003)
4. Translucent plastic (PE) (Inner bottle neck) (D) (Tested item) (HKG19-006770.004)

Note: 1. °C = degree Celsius

2. µg/mL = microgram per millilitre

3. ND = Not Detected

4. >1 is shown when sample solution is darker than the standard solution with 1 µg/mL of Lead.

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Test Results : (Cont'd)

d) Plastics – Consumption of Potassium Permanganate

Test Condition : Water at 60°C for 30 minutes.

Test items	Result (µg/mL)				Reporting Limit (µg/mL)	Limit (µg/mL)
	1	2	3	4		
Consumption of Potassium Permanganate	ND	ND	ND	ND	5	10
Comment	PASS	PASS	PASS	PASS	--	--

Sample Description:

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3. Transparent plastic (PP) (Lid cover) (C) (Tested item) (HKG19-006767.003)
4. Translucent plastic (PE) (Inner bottle neck) (D) (Tested item) (HKG19-006770.004)

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Test Results : (Cont'd)

e) Polyethylene /Polypropylene – Evaporation residue of water, 4% acetic acid, 20% ethanol and n-heptane

Simulant Used	Test Condition	Evaporation residue (µg/mL)				Reporting Limit (µg/mL)	Limit (µg/mL)
		1	2	3	2		
Water	30 minutes at 60 °C	ND	ND	ND	ND	10	30
4% Acetic Acid	30 minutes at 60 °C	ND	ND	ND	ND	10	30
20% Ethanol	30 minutes at 60 °C	ND	ND	ND	ND	10	30
n-Heptane	60 minutes at 25 °C	ND	ND	ND	ND	10	150
Comment	--	PASS	PASS	PASS	PASS	--	--

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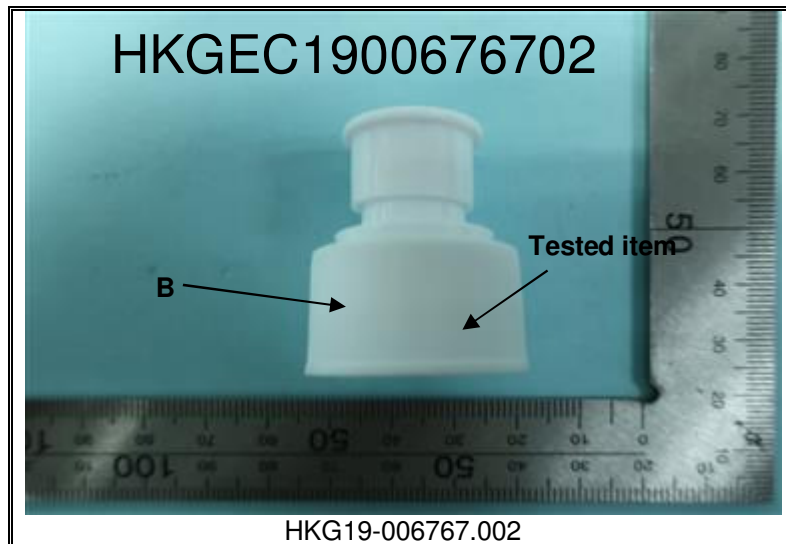
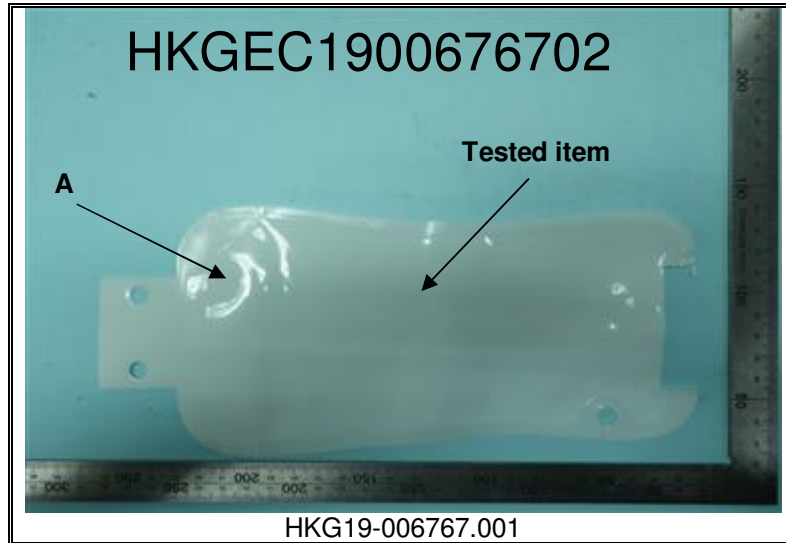
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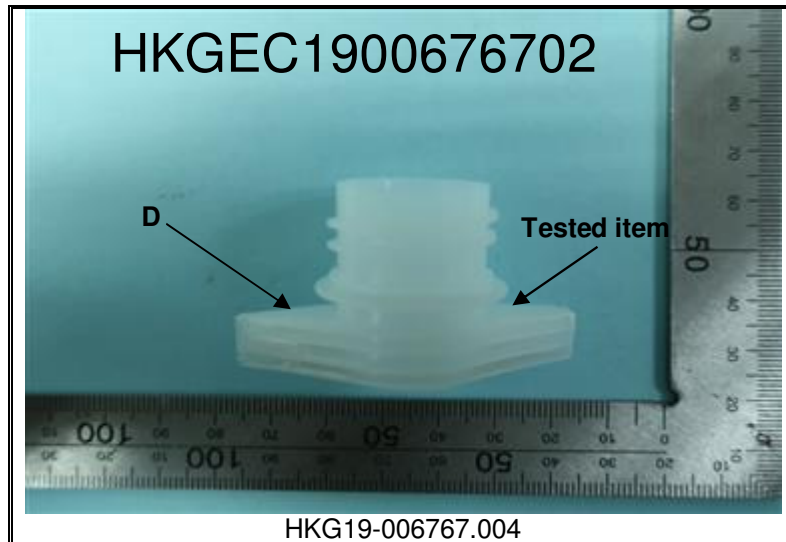
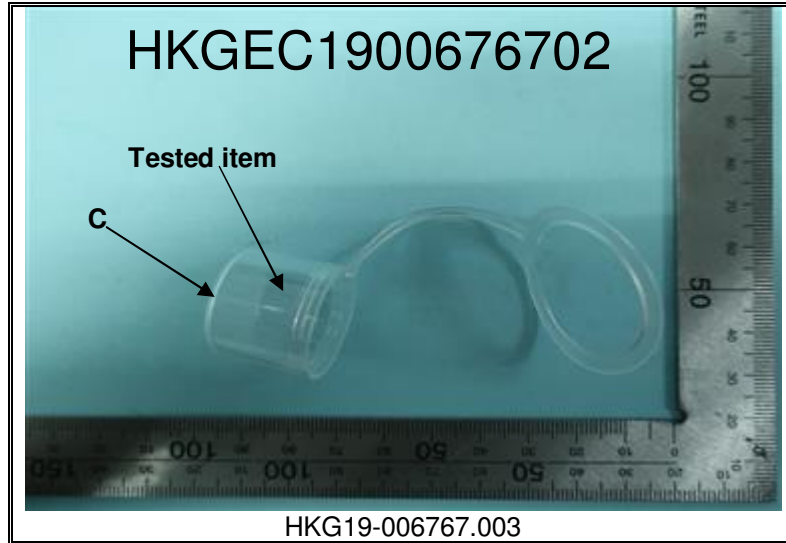
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