

TEST REPORT

Applicant: FLASHBAY ELECTRONICS
BUILDING2,JIXUN INDUSTRIAL PARK,
XINJIAO,DONG'AO VILLAGE,SHATIAN TOWN,
HUIYANG DISTRICT,HUIZHOU CITY,
GUANGDONG PROVINCE, P.R.CHINA

Number: HKGH03049912

Date: Sep 11, 2023

Sample and Information provided by customer :
Item Name : **Travel Cups**
Item No. : **Metro Bamboo (MTRB)**
Quantity : 13 pieces
Manufacturer Name : Flashbay Electronics
Manufacturer Address : Building 2, Jixun Industrial Park, Xinjiao, Dong'ao Village,
Shatian Town, Huiyang District, Huizhou City, Guangdong
Province, P.R.China
Factory Name : Flashbay Electronics
Factory Address : Building 2, Jixun Industrial Park, Xinjiao, Dong'ao Village,
Shatian Town, Huiyang District, Huizhou City, Guangdong
Province, P.R.China
Country of Origin : China

For and on behalf of :
Intertek Testing Services HK Ltd.



Cindy I.K. Chan
Vice President



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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233, 1947) - Metal to be used for manufacture or repair	Pass
(2) Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959) and (Notification No. 595 of Ministry of Health, Labour and Welfare, amendment on 28/12/2012) under the Japan Food Sanitation Law (Law No. 233, 1947) - Rubber	Pass
(3) Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233, 1947) - Coloring Matters	Pass
(4) Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959) under the Japan Food Sanitation Law (Law No. 233, 1947) - Synthetic Resin - Polyethylene Terephthalate	Pass

Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.qrd.by/decision-rule-doc>.
If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



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(1) Chemical Properties for Metal to be Used for Manufacture or Repair

Test method: Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233,1947).

Tested Component :	
(C)	Silver color metal (cup) (Stainless Steel)

Material type	Metal		
	Result	Limit	Conclusion
Parameter	(C)		
i) General requirement			
Material test			
• Total Lead (Pb)	<0.01 %	0.1 %	Pass
• Total Antimony (Sb)	<0.01 %	5 %	Pass

Date sample received : Aug 29, 2023
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(2) Chemical Properties for Synthetic Resin - Rubber

Test method: Specifications and Standards and Testing Methods of “Foodstuffs”, “Implements”, “Containers and Packaging”, “Toys” and “Detergents”, Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959) and (Notification No. 595 of Ministry of Health, Labour and Welfare, amendment on 28/12/2012) under the Japan Food Sanitation Law (Law No. 233,1947).

Component no.	Component description	Location	Material type provided by client
(B)	Translucent white plastic	gasket	Silicone

Intended use of product: Temperature ≤ 100°C

Material type		Rubber		
Parameter		Result	Limit	Conclusion
		(B)		
i) Individual requirement				
Material test				
• Total cadmium (Cd)		< 5 µg/g	100 µg/g	Pass
• Total lead (Pb)		< 5 µg/g	100 µg/g	Pass
• Chlorine by Beilstein test		Negative	---	---
• 2-Mercaptoimidazoline		Not applicable	Negative	Not applicable
Elution test				
• Evaporation residue	Leaching condition			
20% Ethanol	At 60°C for 30 minutes	< 10 µg/ml	60 µg/ml	Pass
Water	At 60°C for 30 minutes	< 10 µg/ml	60 µg/ml	Pass
4% Acetic acid	At 60°C for 30 minutes	10 µg/ml	60 µg/ml	Pass
• Phenol	At 60°C for 30 minutes	< 0.5 µg/ml	5 µg/ml	Pass
• Formaldehyde	At 60°C for 30 minutes	Negative	Negative	Pass
• Zinc (Zn)	At 60°C for 30 minutes	< 1 µg/ml	15 µg/ml	Pass
• Heavy metal (as Lead)	At 60°C for 30 minutes	< 1 µg/ml	1 µg/ml	Pass

Remark : µg/g = microgram per gram
µg/ml = microgram per millilitre

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(3) Chemical Properties on Coloring Matters

Test method: Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959), under the Japan Food Sanitation Law (Law No. 233, 1947).

Component no.	Component description	Location	Material type provided by client
(A)	Transparent plastic	Lid	Tritan
(B)	Translucent white plastic	gasket	Silicone

Requirement : No running of coloring matters was observed in the leaching solution

Leaching solution	Leaching condition	Result
		(A)
n-Heptane	At 25°C for 1 hour	NR
20% Ethanol	At 60°C for 30 minutes	NR
Water	At 60°C for 30 minutes	NR
4% Acetic acid	At 60°C for 30 minutes	NR

Leaching solution	Leaching condition	Result
		(B)
20% Ethanol	At 60°C for 30 minutes	NR
Water	At 60°C for 30 minutes	NR
4% Acetic acid	At 60°C for 30 minutes	NR

Remark :

NR = No Running of coloring matters was observed

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(4) Chemical Properties for Synthetic Resin - Polyethylene Terephthalate

Test method: Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section III - Apparatus and Containers and Packages, (Notification No. 370 of Ministry of Health, Labour and Welfare, 1959) under the Japan Food Sanitation Law (Law No. 233, 1947).

Component no.	Component description	Location	Material type provided by client
(A)	Transparent plastic	Lid	Tritan

Intended use of product: Temperature ≤ 100°C

Material type		Polyethylene Terephthalate (PET)		
Parameter		Result	Limit	Conclusion
		(A)		
i) General requirement				
Elution test				
• Consumption of potassium permanganate		< 4 µg/ml	10 µg/ml	Pass
• Heavy metal (as lead)		< 1 µg/ml	1 µg/ml	Pass
Material test				
• Total cadmium (Cd)		< 5 µg/g	100 µg/g	Pass
• Total lead (Pb)		< 5 µg/g	100 µg/g	Pass
ii) Individual requirement				
Elution test		Leaching condition		
• Antimony	At 60°C for 30 minutes	<0.05 µg/ml	0.05 µg/ml	Pass
• Germanium	At 60°C for 30 minutes	<0.1 µg/ml	0.1 µg/ml	Pass
• Evaporation residue				
n-Heptane	At 25°C for 1 hour	< 10 µg/ml	30 µg/ml	Pass
20% Ethanol	At 60°C for 30 minutes	< 10 µg/ml	30 µg/ml	Pass
Water	At 60°C for 30 minutes	< 10 µg/ml	30 µg/ml	Pass
4% Acetic acid	At 60°C for 30 minutes	< 10 µg/ml	30 µg/ml	Pass

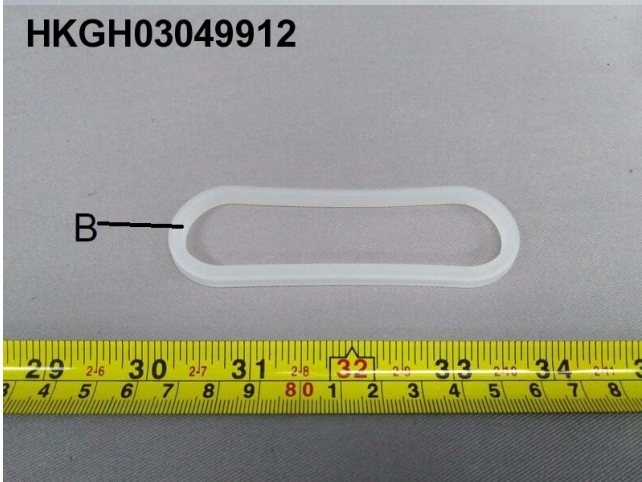
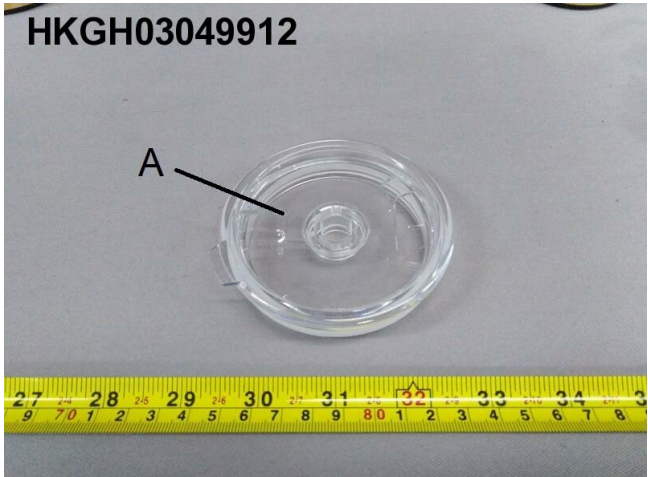
Remark : µg/ml = microgram per millilitre
µg/g = microgram per gram

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End of report

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