

# 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: HKGH02924595

Date: Sep 21, 2022

Sample and Information provided by customer :  
Item Name : **Water Bottle**  
Item No. : **Fuel/FUL**  
Quantity : **14 pcs**

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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) 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
(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), under the Japan Food Sanitation Law (Law No. 233, 1947) - Coloring Matters	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) - Metal to be used for manufacture or repair	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 - Polypropylene	Pass

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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 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).

<b>Tested Component :</b>
(B) Translucent plastic (gasket) (silicone)

Intended use of product: Temperature ≤ 100°C

Material type		Rubber		
Parameter		Result	Limit	Conclusion
		(B)		
<b>i) Individual requirement</b>				
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

Date sample received : Sep 02, 2022  
Testing period : Sep 02, 2022 to Sep 15, 2022



**TEST REPORT**

Number : HKGH02924595

(2) 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).

<b>Tested Components :</b>	
(A)	Black plastic (lid) (PP)
(B)	Translucent plastic (gasket) (silicone)
(C)	Black coated Stainless Steel (container) (Coated metal)
(D)	White coated Stainless Steel (container) (Coated metal)

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

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

Date sample received : Sep 02, 2022

Testing period : Sep 02, 2022 to Sep 15, 2022



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Number : HKGH02924595

(3) 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).

<b>Tested Component :</b>
(E) Silver color metal (stirring ball, inner layer of container) (Stainless steel)

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

Date sample received : Sep 02, 2022  
 Testing period : Sep 02, 2022 to Sep 13, 2022



# TEST REPORT

Number : HKGH02924595

(4) Chemical Properties for Synthetic Resin - Polypropylene

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).

<b>Tested Component :</b>
(A) Black plastic (lid) (PP)

Intended use of product: Temperature ≤ 100°C

Material type		Polypropylene (PP)		
Parameter		Result	Limit	Conclusion
		(A)		
<b>i) General requirement</b>				
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
<b>ii) Individual requirement</b>				
Elution test				
• Evaporation residue	Leaching condition			
n-Heptane	At 25°C for 1 hour	< 10 µg/ml	150 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

Date sample received : Sep 02, 2022  
Testing period : Sep 02, 2022 to Sep 15, 2022



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End of report

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