

TEST REPORT

Applicant: FLASHBAY ELECTRONICS
BUILDING 2, JIXUN INDUSTRIAL PARK,
XINJIAO, DONG'AO VILLAGE, SHATIAN TOWN,
HUIYANG DISTRICT, HUIZHOU CITY,
GUANGDONG PROVINCE, P.R. CHINA



Number: HKGH03257009

Date: Jun 25, 2025

Sample and Information provided by customer :

Item Name : **Travel Cups**
Item No. : **PolarBear (PB)**
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
Importer : --
Importer Address : --
Country of Origin : China
Quantity : 1 set

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

Dorothy M.Y. Lau
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) - Coloring Matters	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) - Synthetic Resin - Polypropylene / Polyethylene.	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) 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
(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) - Metal to be used for manufacture or repair	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.grd.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 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)	BLACK PLASTIC	LID	PP
(B)	TRANSLUCENT PLASTIC	STRAW	PE
(C)	TRANSLUCENT PLASTIC	SEALING RING	SILICON

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

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

Leaching solution	Leaching condition	Result	
		(C)	
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	

Date sample received : May 27, 2025

Testing period : May 27, 2025 to Jun 04, 2025



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(2) Chemical Properties for Synthetic Resin - Polypropylene / Polyethylene / Ethylene Vinyl Acetate

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)	BLACK PLASTIC	LID	PP
(B)	TRANSLUCENT PLASTIC	STRAW	PE

Intended use of product: Temperature ≤ 100°C

Material type		Polypropylene (PP) / Polyethylene (PE)			
Parameter		Result		Limit	Conclusion
		(A)	(B)		
i) General requirement					
Elution test					
• Consumption of potassium permanganate		< 4 µg/ml	< 4 µg/ml	10 µg/ml	Pass
• Heavy metal (as lead)		< 1 µg/ml	< 1 µg/ml	1 µg/ml	Pass
Material test					
• Total cadmium (Cd)		< 5 µg/g	< 5 µg/g	100 µg/g	Pass
• Total lead (Pb)		< 5 µg/g	< 5 µg/g	100 µg/g	Pass
ii) Individual requirement					
Elution test					
• Evaporation residue	Leaching condition				
n-Heptane	At 25°C for 1 hour	< 10 µg/ml	< 10 µg/ml	150 µg/ml	Pass
20% Ethanol	At 60°C for 30 minutes	< 10 µg/ml	< 10 µg/ml	30 µg/ml	Pass
Water	At 60°C for 30 minutes	< 10 µg/ml	< 10 µg/ml	30 µg/ml	Pass
4% Acetic acid	At 60°C for 30 minutes	< 10 µg/ml	< 10 µg/ml	30 µg/ml	Pass

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(3) 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
(C)	TRANSLUCENT PLASTIC	SEALING RING	SILICON

Intended use of product: Temperature ≤ 100°C

Material type		Rubber		
Parameter		Result	Limit	Conclusion
		(C)		
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

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(4) 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 Components :	
(D)	Silver color metal (body) (Stainless Steel)

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

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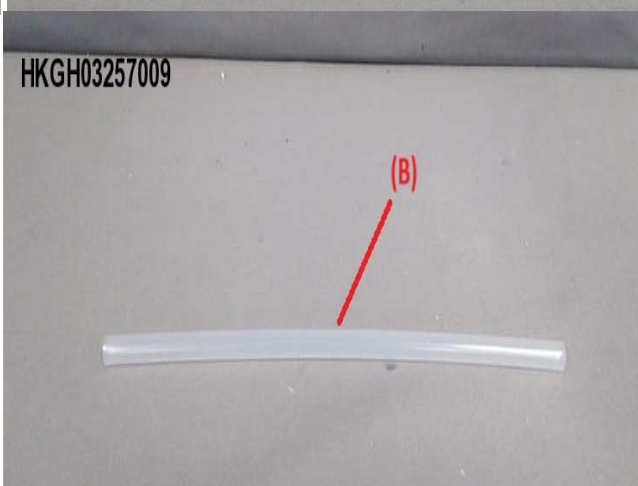
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End of report

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