



TEST REPORT

Technical Report: (5221)068-0431

March 11, 2021

Date Received: March 9, 2021

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Levin
Flashbay Electronics
Building 2, Jixun Industrial Park, Dong'ao Village, Shatian Town, Huiyang District,
Huizhou City, Guangdong Province, P.R. China

Sample Description: Sample(s) received is/are stated to be:
Travel cups

Color:	/	Style No(s):	Rondo-RD
Order No.:	/	PO No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Retest No.:	/
Manufacturer:	/	Supplier Reference:	/
Buyer:	/	Country of Origin:	/
Test Period:	March 9, 2021 - March 11, 2021	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
MIGRATION OF SYNTHETIC CHEMICAL COLORS REQUIREMENTS (Japanese Food Sanitation Law, Section III "Implements, Containers, and Packaging")	PASS	
POLYETHYLENE TEREPHTHALATE (PET) - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III "Implements, Containers and Packages", Subsection D.)	PASS	
RUBBER EXCEPT NURSING UTENSILS - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III "Implements, Containers and Packages", Subsection D.)	PASS	
METALLIC CANS FOR FOODS (EXCEPT DRY FOOD) - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, III "Implements, Containers and Packages", Subsection D.)	PASS	

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REMARK

If there are questions or concerns on this report, please contact:

(852) 2331 0330

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BUREAU VERITAS HONG KONG LTD.

MS. YANN LO
MANAGER, RS DEPARTMENT

Photo of the Submitted Sample





TEST RESULT

MIGRATION OF SYNTHETIC CHEMICAL COLORS REQUIREMENTS (Japanese Food Sanitation Law, Section III “Implements, Containers, and Packaging”)

Test: Observation of dissolution of color in the leaching solution

Requirement: No dissolution of color shall be observed in the leaching solution

	Color / Component	Location	Style
A.	Transparent grey plastic	lid, Tritan	-
B.	Translucent plastic	seal ring, Silicone	-
C.	Silvery metal	cup, SUS304	-

Leaching solution	Leaching conditions	Result		
		Sample ID		
		A*	B*	C*
Water	At 60°C, for 30 minutes	Not recognized	Not recognized	N/A
4% acetic acid	At 60°C, for 30 minutes	Not recognized	Not recognized	N/A
Heptane	At 25°C, for 1 hour	Not recognized	Not recognized	N/A
20% ethanol	At 60°C, for 30 minutes	Not recognized	Not recognized	N/A
Conclusion		Pass	Pass	-

Recognized = Dissolution of color is/are observed when comparing with blank leaching solution(s).
 Not Recognized = Dissolution of color is/are **NOT** observed when comparing with blank leaching solution(s).
 N/A = Not applicable



TEST RESULT

POLYETHYLENE TEREPHTHALATE (PET) - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III “Implements, Containers and Packages”, Subsection D.)

Reference: Specifications and Standards for Foods, Food Additives, Etc. under the Food Sanitation Law (Abstracts), 2008, Section III - Apparatus and container-packages.

Sample Identity	Test Component	Location	Style
A*	Transparent grey plastic	lid, Tritan	-

Parameter		Result	Limit	Conclusion	
I) General Requirement					
Material Test					
• Cadmium		LT 25 µg/g	100 µg/g	Pass	
• Lead		LT 25 µg/g	100 µg/g	Pass	
Elution Test		Leaching conditions			
• Heavy metals (as lead) (4% Acetic acid)		At 60 °C, for 30 minutes	LT 1 µg/ml	1 µg/ml	Pass
• Consumption of potassium permanganate (KMnO ₄) (Water)		At 60 °C, for 30 minutes	2.11 µg/ml	10 µg/ml	Pass
II) Individual Requirement					
• Antimony (4% Acetic acid)		At 60 °C, for 30 minutes	LT 0.05 µg/ml	0.05 µg/ml	Pass
• Germanium (4% Acetic acid)		At 60 °C, for 30 minutes	LT 0.1 µg/ml	0.1 µg/ml	Pass
• Evaporation residue					
- n-Heptane	At 25°C, for 60 minutes	LT 5 µg/ml	30 µg/ml	Pass	
- 20% Ethanol	At 60°C, for 30 minutes	LT 5 µg/ml	30 µg/ml	Pass	
- Water	At 60 °C, for 30 minutes	LT 5 µg/ml	30 µg/ml	Pass	
- 4% Acetic acid	At 60 °C, for 30 minutes	5.21 µg/ml	30 µg/ml	Pass	

LT = Less than
 GT = Greater than

ppm = parts per million (micrograms per milliliters)

Note: According to the Japanese Food Sanitation Law, Section III “Equipment and Packages”, Subsection F- Standards of manufacture of equipment and packages, Paragraph 2, the synthetic chemical colors used in the manufacture of equipment or packages shall be colors listed in the Attached Table 2 of the Food Sanitation Law Enforcement Regulations (Ministry of Health and Welfare Ordinance No. 23, 1948).



TEST RESULT

RUBBER EXCEPT NURSING UTENSILS - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, Section III “Implements, Containers and Packages”, Subsection D.)

Reference: Specifications and Standards for Foods, Food Additives, Etc. under the Food Sanitation Law (Abstracts), 2008, Section III - Apparatus and container-packages including amendments of Ministry of Health and Welfare Ordinance No. 595, 2012.

Sample Identity	Test Component	Location	Style
B*	Translucent plastic	seal ring, Silicone	-

Parameter		Result	Limit	Conclusion	
D) Requirement					
Material Test					
• Cadmium		LT 25 µg/g	100 µg/g	Pass	
• Lead		LT 25 µg/g	100 µg/g	Pass	
Elution Test		Leaching conditions			
• Heavy metals (4% Acetic acid)		At 60°C, for 30 minutes	LT 1 µg/ml	1 µg/ml	Pass
• 2-Mercaptoimidazoline		-ve	-ve	Pass	
• Phenol (Water)		At 60°C, for 30 minutes	LT 5 µg/ml	5 µg/ml	Pass
• Formaldehyde (Water)		At 60°C, for 30 minutes	-ve	-ve	Pass
• Zinc (4% Acetic acid)		At 60°C, for 30 minutes	LT 15 µg/ml	15 µg/ml	Pass
• Evaporation residue - Water		At 60°C, for 30 minutes	6.39 µg/ml	60 µg/ml	Pass

+ve = Positive
-ve = Negative

LT = Less than
GT = Greater than

Note: According to the Japanese Food Sanitation Law, Section III “Equipment and Packages”, Subsection F- Standards of manufacture of equipment and packages, Paragraph 2, the synthetic chemical colors used in the manufacture of equipment or packages shall be colors listed in the Attached Table 2 of the Food Sanitation Law Enforcement Regulations (Ministry of Health and Welfare Ordinance No. 23, 1948).



TEST RESULT

METALLIC CANS FOR FOODS (EXCEPT DRY FOOD) - SPECIFICATIONS OF PACKAGES, AND THEIR MATERIALS BY MATERIALS (Japanese Food Sanitation Law, III “Implements, Containers and Packages”, Subsection D.)

Reference: Specifications and Standards for Foods, Food Additives, Etc. under the Food Sanitation Law (Abstracts), 2008, Section III - Apparatus and container-packages.

Sample Identity	Test Component	Location	Style
C*	Silvery metal	cup, SUS304	-

Material Type:		Metallic Cans for Foods (Except Dry Food)			
Parameter		Result (ppm)	Limit (ppm)	Conclusion	
II) Individual Requirement					
Elution Test					
• Arsenic	- Water	At 60°C, for 30 minutes	LT 0.2	0.2	Pass
	- 0.5% citric acid	At 60°C, for 30 minutes	LT 0.2	0.2	Pass
• Lead	- Water	At 60°C, for 30 minutes	LT 0.4	0.4	Pass
	- 0.5% citric acid	At 60°C, for 30 minutes	LT 0.4	0.4	Pass
• Cadmium	- Water	At 60°C, for 30 minutes	LT 0.1	0.1	Pass
	- 0.5% citric acid	At 60°C, for 30 minutes	LT 0.1	0.1	Pass

+ ve = Positive
- ve = Negative

ppm = parts per million (= milligrams per kilogram)

LT = Less than
GT = Greater than

Note: According to the Japanese Food Sanitation Law, Section III “Equipment and Packages”, Subsection F- Standards of manufacture of equipment and packages, Paragraph 2, the synthetic chemical colors used in the manufacture of equipment or packages shall be colors listed in the Attached Table 2 of the Food Sanitation Law Enforcement Regulations (Ministry of Health and Welfare Ordinance No. 23, 1948).

The above result(s) marked with * is(are) transferred from (5221)050-0218 dated February 25, 2021.

END