

## **TEST REPORT**

February 25, 2021 **Technical Report:** (5221)050-0218 Date Received: February 19, 2021 Page 1 of 7 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): Crew-CW

Order No.: PO No.: Product End Use: Age Grade: Vendor: Retest No.: Manufacturer: Supplier Reference: Buyer: Country of Origin:

Test Period: February 19, 2021 - February 25, 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	PASS	
"Implements, Containers, and Packaging")		
POLYETHYLENE TEREPHTHALATE (PET) -		
SPECIFICATIONS OF PACKAGES, AND THEIR		
MATERIALS BY MATERIALS (Japanese Food Sanitation	PASS	
Law, Section III "Implements, Containers and Packages",		
Subsection D.)		
RUBBER EXCEPT NURSING UTENSILS -		
SPECIFICATIONS OF PACKAGES, AND THEIR		
MATERIALS BY MATERIALS (Japanese Food Sanitation	PASS	
Law, Section III "Implements, Containers and Packages",		
Subsection D.)		
METALLIC CANS FOR FOODS (EXCEPT DRY FOOD) -		
SPECIFICATIONS OF PACKAGES, AND THEIR		
MATERIALS BY MATERIALS (Japanese Food Sanitation	PASS	
Law, III "Implements, Containers and Packages", Subsection		
D.)		

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Bureau Veritas Hong Kong Ltd. Consumer Product Services Division Kowloon Bay Office 1/F, Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon, Hong Kong Telephone: (852) 2331 0330 Fax: (852) 2331 0889 www.cps.bureauveritas.com

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

(852) 2331 0330

analytical-enquiry@hk.bureauveritas.com

BUREAU VERITAS HONG KONG LTD.

MS. YANN LO

MANAGER, RS DEPARTMENT



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## **Photo of the Submitted Sample**





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### **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	-

		Result			
Leaching solution	Leaching conditions	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 observed when comparing with blank leaching solution(s).

N/A = Not applicable



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#### **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.

2008,	Section	111	Apparatus	ana	container-	packages.

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

	Parameter		Result	Limit	Conclusion
I) •	General Requirement Material Test Cadmium Lead		LT 25 μg/g LT 25 μg/g	100 μg/g 100 μg/g	Pass Pass
	Elution Test	Leaching conditions			2
•	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 <sub>4</sub> ) (Water)	At 60 °C, for 30 minutes	2.11 μg/ml	10 μg/ml	Pass
II)	Individual Requirement	l			
•	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 ppm = parts per million (micrograms per milliliters)
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).



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### 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	-

Parar	neter	Result	Limit	Conclusion
I) 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	At 60°C,	LT 1 μg/ml	1 μg/ml	Pass
(4% Acetic acid)	for 30 minutes			
2-Mercaptoimidazoline		-ve	-ve	Pass
• Phenol ( Water )	At 60°C,	LT 5 μg/ml	5 μg/ml	Pass
	for 30 minutes			
• Formaldehyde ( Water )	At 60°C,	-ve	-ve	Pass
• • • • • • • • • • • • • • • • • • • •	for 30 minutes			
• Zinc (4% Acetic acid)	At 60°C,	LT 15 μg/ml	15 μg/ml	Pass
	for 30 minutes			
Evaporation residue				
- Water	At 60°C,	6.39 µg/ml	60 μg/ml	Pass
	for 30 minutes			

+ve = Positive LT = Less than-ve = Negative 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).



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### **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,	LT 0.2	0.2	Pass
- water	for 30 minutes			
- 0.5% citric acid	At 60°C,	LT 0.2	0.2	Pass
- 0.370 citric acid	for 30 minutes			
• Lead				
- Water	At 60°C,	LT 0.4	0.4	Pass
- water	for 30 minutes			
- 0.5% citric acid	At 60°C,	LT 0.4	0.4	Pass
- 0.370 citric acid	for 30 minutes			
Cadmium				
- Water	At 60°C,	LT 0.1	0.1	Pass
- water	for 30 minutes			
- 0.5% citric acid	At 60°C,	LT 0.1	0.1	Pass
- 0.3% chiric acid	for 30 minutes			

 $\begin{array}{cccc} + \ ve & = Positive & LT & = Less\ than \\ - \ ve & = Negative & GT & = Greater\ than \end{array}$ 

ppm = parts per million (= milligrams per kilogram)

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).

**END**