

TEST REPORT

Report No : AB0055913(1) Date: 2022-12-07

Application No : LB032276(9)

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

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

Sample Description : Six (6) submitted sample(s) stated to be :
Item Name : Travel Cups
Item No. : Metro\ MTR

Date Received : 2022-11-04.

Test Period : 2022-11-04 to 2022-11-24.

Test Requested : Specifications and Standards for Foods, Food Additives, etc. (Under the Japan Food Sanitation Law, Ministry of Health and Welfare **notice No. 370**, 28 December 1959, the Ministry of Health, Labour and Welfare **notice No. 201**, 31 March 2006, **notice No. 416**, 11 August 2008, **notice No. 595**, 28 December 2012 and **notice No. 245**, Jun 2016)
Part III – Implements, Containers and Packaging

Test Method : As stated in the above specification.

Test Result : Refer to the results pages for details.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____


Wan Leong Hang
Technical Manager

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Conclusion	<u>Test Item</u>	<u>Result</u>
	Specifications and Standards for Foods, Food Additives, etc. (Under the Japan Food Sanitation Law, Ministry of Health and Welfare notice No. 370 , 28 December 1959, the Ministry of Health, Labour and Welfare notice No. 201 , 31 March 2006, notice No. 416 , 11 August 2008, notice No. 595 , 28 December 2012 and notice No. 245 , Jun 2016)) Part III – Implements, Containers and Packaging	Passed
Remark	Material information in this report is provided by client	

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Wan Leong Hang
Technical Manager

The conformity statement stated in Conclusion above is based on the decision rule agreed with applicant and listed in www.cmatesting.org/qac/statement-of-conformity.pdf.
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This document shall not be reproduced except in full without written approval by CMA Testing. The results apply to the sample as received unless otherwise specified. The observations and test results in this report are relevant only to the sample tested.

CMA Industrial Development Foundation Limited

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Test Result :

Specifications and Standards for Foods, Food Additives, etc. (Under the Japan Food Sanitation Law, Ministry of Health and Welfare **notice No. 370**, 28 December 1959, the Ministry of Health, Labour and Welfare **notice No. 201**, 31 March 2006, **notice No. 416**, 11 August 2008, **notice No. 595**, 28 December 2012 and **notice No. 245**, Jun 2016)

Part III - Implements, Containers and Packaging

A. Standards for General Implements, Containers, Packaging and Component Materials

(a) Coloring matters

<u>Test item</u>	<u>1</u>	<u>2</u>	<u>Sample</u> <u>3</u>	<u>4</u>	<u>Limit</u>
Running of coloring matters	N.R.	N.R.	N.R.	N.R.	N.R.

Note 1 : N.R. denotes Not Recognized

Note 2 : Sample 1 = Transparent Co-polyester of body of lid
 Sample 2 = Transparent ABS of slide cover of lid
 Sample 3 = Translucent white silicone rubber of ring of lid
 Sample 4 = Silvery stainless steel of inner body of item A to F

(b) Manufactured or Repaired using Metal

<u>Test item</u>	<u>Sample</u> <u>4</u>	<u>Limit</u>
Lead Content (% w/w)	<0.0015	0.1
Antimony (% w/w)	<0.01	5

Note 1 : % w/w denotes percentage by weight

Note 2 : < denotes less than

Note 3 : Sample 4 = Silvery stainless steel of inner body of item A to F



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D. Material-specific Specifications for Implements, Containers, Packaging and Component Materials

D2. Synthetic resin implements, containers and packaging

(a) General specification

(i) Material Test

<u>Test item</u>	<u>1</u>	<u>Sample</u>	<u>2</u>	<u>Limit</u>
Cadmium content ($\mu\text{g/g}$)	<5		<5	100
Lead content ($\mu\text{g/g}$)	<15		<15	100

(ii) Elution Test

<u>Test item</u>	<u>1</u>	<u>Sample</u>	<u>2</u>	<u>Limit</u>
Consumption of KMnO_4 (water, 95°C , 30 mins), ($\mu\text{g/ml}$)	<2		<2	10
Heavy metals as Lead (4% acetic acid, 95°C , 30 mins), ($\mu\text{g/ml}$)	<1		<1	1

Note 1 : $\mu\text{g/g}$ denotes microgram per gram
 $\mu\text{g/ml}$ denotes microgram per milliliter

Note 2 : < denotes less than

Note 3 : Tests are for container / implement used at temperature over 100°C

Note 4 : Sample 1 = Transparent Co-polyester of body of lid
Sample 2 = Transparent ABS of slide cover of lid



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Test Result :

(b) Individual specifications

Polystyrene (and styrene type)

(i) Material Test – Volatile substances (for non expanded polystyrene)

<u>Test item</u>	<u>Sample</u> <u>2</u>
Toluene (mg/kg)	<20
Ethyl benzene (mg/kg)	<20
Styrene (mg/kg)	<20
Isopropyl benzene (mg/kg)	<20
Propylbenzene (mg/kg)	<20

Requirement : Total amount of styrene, toluene, ethyl benzene, isopropyl benzene and propylbenzene must be less than 5 mg/g (5000 mg/kg).

(ii) Elution Test

<u>Test item</u>	<u>Sample</u> <u>2</u>	<u>Limit</u>
Evaporation residue		
- water (95°C, 30 mins), (µg/ml)	<10	30
- 4% acetic acid (95°C, 30 mins), (µg/ml)	<10	30
- n-heptane (25°C, 60 mins), (µg/ml)	<10	240
- 20% ethanol (60°C, 30 mins), (µg/ml)	<10	30

Note 1 : mg/kg denotes milligram per kilogram
 mg/g denotes milligram per gram
 µg/ml denotes microgram per milliliter

Note 2 : < denotes less than

Note 3 : Tests are for container / implement used at temperature over 100°C

Note 4 : Sample 2 = Transparent ABS of slide cover of lid



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Test Result :

(b) Individual specifications

Polymethylmethacrylate (PMMA)

Elution Test

<u>Test item</u>	<u>Sample 2</u>	<u>Limit</u>
Methyl methacrylate (20% ethanol, 60°C, 30 mins), (µg/ml)	<1	15
Evaporation residue		
- water (95°C, 30 mins), (µg/ml)	<10	30
- 4% acetic acid (95°C, 30 mins), (µg/ml)	<10	30
- n-heptane (25°C, 60 mins), (µg/ml)	<10	30
- 20% ethanol (60°C, 30 mins), (µg/ml)	<10	30

Note 1 : µg/ml denotes microgram per milliliter

Note 2 : < denotes less than

Note 3 : Tests are for container / implement used at temperature over 100°C

Note 4 : Sample 2 = Transparent ABS of slide cover of lid



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D3. Rubber implements, containers and packaging

Rubber implements (except nursing utensils), containers and packaging - Not containing chlorine

<u>Test item</u>		<u>Sample</u> <u>3</u>	<u>Limit</u>
(i) Material Test			
Cadmium	($\mu\text{g/g}$)	<5	100
Lead	($\mu\text{g/g}$)	<15	100
(ii) Elution Test			
Evaporation residue			
- water, 95°C, 30 mins	($\mu\text{g/ml}$)	<10	60
Phenol (water, 95°C, 30 mins)	($\mu\text{g/ml}$)	<0.5	5
Formaldehyde (water, 95°C, 30 mins)		NDC	NDC
Zinc (4% acetic acid, 95°C, 30 mins)	($\mu\text{g/ml}$)	<0.1	15
Heavy metals as Lead (4% acetic acid, 95°C, 30 mins)	($\mu\text{g/ml}$)	<1	1

Note 1 : $\mu\text{g/g}$ denotes microgram per gram

$\mu\text{g/ml}$ denotes microgram per milliliter

Note 2 : NDC denotes Not Darker than Contrast solution

Note 3 : < denotes less than

Note 4 : Tests are for container / implement used at temperature over 100°C

Note 5 : Sample 3 = Translucent white silicone rubber of ring of lid

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Appendix



(A)



(B)



(C)

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Appendix



(D)



(E)



(F)



***** End of Report *****