

TEST REPORT

Report No : AB0059816(7) Date: 2022-12-05

Application No : LB034140(1)

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

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

Sample Description : Nine (9) submitted sample(s) stated to be :
Item Name : Travel Cups
Item No. : Crew/CW, Brew/BW, Rondo/RD

Date Received : 2022-11-18.

Test Period : 2022-11-18 to 2022-11-29.

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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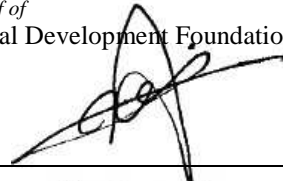
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| Conclusion | <u>Test Item</u> | <u>Result</u> |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| | 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

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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>Sample</u> | | | | | | <u>Limit</u> |
|-----------------------------|---------------|----------|----------|----------|----------|----------|--------------|
| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | |
| Running of coloring matters | N.R. | N.R. | 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 lid of item A, item B, item C, item D, item E, item F, item G, item H, item I

Sample 2 = Transparent MABS of slide cover of item A, item B, item C, item D, item E, item F, item G, item H, item I

Sample 3 = Translucent white silicone rubber of gasket of item A, item B, item C, item D, item E, item F, item G, item H, item I

Sample 4 = Silvery metal (stainless steel) of body of item A, item B, item C, item D, item E, item F, item G, item H, item I

Sample 5 = Black coating of outer body of item A, item D, item G

Sample 6 = White coating of outer body of item B, item E, item I

(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 metal (stainless steel) of body of item A, item B, item C, item D, item E, item F, item G, item H, item I

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Test Result :

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>Sample</u> | | | | <u>Limit</u> |
|-------------------------------------|---------------|----------|----------|----------|--------------|
| | <u>1</u> | <u>2</u> | <u>5</u> | <u>6</u> | |
| Cadmium content ($\mu\text{g/g}$) | <5 | <5 | <5 | <5 | 100 |
| Lead content ($\mu\text{g/g}$) | <15 | <15 | <15 | <15 | 100 |

(ii) Elution Test

| <u>Test item</u> | <u>Sample</u> | | | | <u>Limit</u> |
|--------------------------------------------------------------------------------------------|---------------|----------|----------|----------|--------------|
| | <u>1</u> | <u>2</u> | <u>5</u> | <u>6</u> | |
| Consumption of KMnO_4 (water, 60°C , 30 mins), ($\mu\text{g/ml}$) | <2 | <2 | <2 | <2 | 10 |
| Heavy metals as Lead (4% acetic acid, 60°C , 30 mins), ($\mu\text{g/ml}$) | <1 | <1 | <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 less than 100°C

Note 4 : Sample 1 = Transparent co-polyester of lid of item A, item B, item C, item D, item E, item F, item G, item H, item I

Sample 2 = Transparent MABS of slide cover of item A, item B, item C, item D, item E, item F, item G, item H, item I

Sample 5 = Black coating of outer body of item A, item D, item G

Sample 6 = White coating of outer body of item B, item E, item I



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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) | 174 |
| Styrene (mg/kg) | 767 |
| Isopropyl benzene (mg/kg) | 103 |
| 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 (60°C, 30 mins), (µg/ml) | <10 | 30 |
| - 4% acetic acid (60°C, 30 mins), (µg/ml) | <10 | 30 |
| - n-heptane (25°C, 60 mins), (µg/ml) | <10 | 240 |

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 less than 100°C

Note 4 : Sample 2 = Transparent MABS of slide cover of item A, item B, item C, item D, item E, item F, item G, item H, item I



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Test Result :

(b) Individual specifications

Polymethylmethacrylate (PMMA)

Elution Test

| <u>Test item</u> | <u>Sample</u> <u>2</u> | <u>Limit</u> |
|--------------------------------------------------------------|---------------------------|--------------|
| Methyl methacrylate (20% ethanol, 60°C, 30 mins), (µg/ml) | <1 | 15 |
| Evaporation residue | | |
| - water (60°C, 30 mins), (µg/ml) | <10 | 30 |
| - 4% acetic acid (60°C, 30 mins), (µg/ml) | <10 | 30 |
| - n-heptane (25°C, 60 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 less than 100°C

Note 4 : Sample 2 = Transparent MABS of slide cover of item A, item B, item C, item D, item E,
item F, item G, item H, item I

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Test Result :

D3. Rubber implements, containers and packaging

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

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

Note 1 : µg/g denotes microgram per gram

µg/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 less than 100°C

Note 5 : Sample 3 = Translucent white silicone rubber of gasket of item A, item B, item C, item D, item E, item F, item G, item H, item I

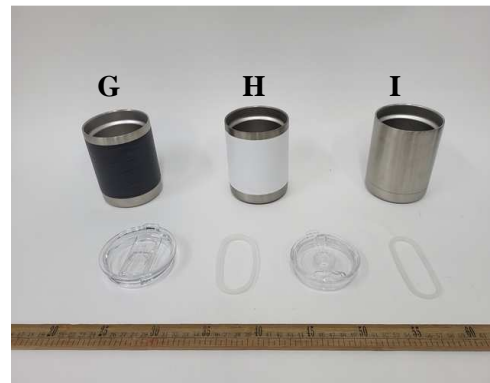
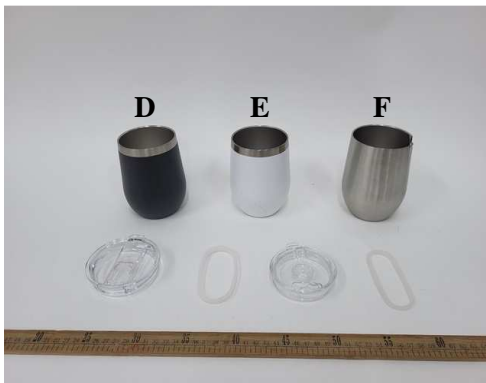
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Appendix



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