

TEST REPORT

Report No : AA0047720(9) Date: 18 Oct 2021

Application No : LA026859(8)

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 : Three (3) submitted sample(s) stated to be :
Item Name : Water Bottle
Item No. : Aqualok-QL

Date Received : 16 Sep 2021.

Test Period : 16 Sep 2021 to 28 Sep 2021.

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) (for requested test part(s) only)
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
Deputy 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) (for requested test part(s) only) Part III – Implements, Containers and Packaging	Passed
Remark	: Material information in this report is provided by client	

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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

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 = Translucent green Co-polyester of body of green bottle
Sample 2 = Translucent blue Co-polyester of body of blue bottle
Sample 3 = Translucent black Co-polyester of body of black bottle
Sample 4 = Transparent PP of cover of lid of green bottle, blue bottle, black bottle
Sample 5 = Black PP of body of lid of green bottle, blue bottle, black bottle
Sample 6 = Translucent white silicone rubber of ring of green bottle, blue bottle, black bottle

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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>2</u>	<u>Sample</u> <u>3</u>	<u>4</u>	<u>5</u>	<u>Limit</u>
Cadmium content ($\mu\text{g/g}$)	<5	<5	<5	<5	<5	100
Lead content ($\mu\text{g/g}$)	<15	<15	<15	<15	<15	100

(ii) Elution Test

<u>Test item</u>	<u>1</u>	<u>2</u>	<u>Sample</u> <u>3</u>	<u>4</u>	<u>5</u>	<u>Limit</u>
Consumption of KMnO_4 (water, 60°C , 30 mins), ($\mu\text{g/ml}$)	<2	<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	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 = Translucent green Co-polyester of body of green bottle
 Sample 2 = Translucent blue Co-polyester of body of blue bottle
 Sample 3 = Translucent black Co-polyester of body of black bottle
 Sample 4 = Transparent PP of cover of lid of green bottle, blue bottle, black bottle
 Sample 5 = Black PP of body of lid of green bottle, blue bottle, black bottle

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(b) Individual specifications

Polyethylene (PE) and Polypropylene (PP)

Elution Test

<u>Test item</u>	<u>4</u>	<u>Sample</u>	<u>5</u>	<u>Limit</u>
Evaporation residue				
- water (60°C, 30 mins), (µg/ml)	<10		<10	30
- 4% acetic acid (60°C, 30 mins), (µg/ml)	<10		<10	30
- n-heptane (25°C, 60 mins), (µg/ml)	<10		<10	150

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 4 = Transparent PP of cover of lid of green bottle, blue bottle, black bottle
 Sample 5 = Black PP of body of lid of green bottle, blue bottle, black bottle

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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>6</u>	<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 6 = Translucent white silicone rubber of ring of green bottle, blue bottle, black bottle

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Appendix



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