

TEST REPORT

Report No.: BCTC2108475256R

Applicant: Shenzhen Mlife Household Products Co., Ltd

Product Name: Plastic water bottle

Product Type: /

Tested Date: 2021-07-29 to 2021-08-06

Issued Date: 2021-08-09

Shenzhen **BCTC** Testing Co., Ltd.



Product Name	Plastic water bottle
Product Type	/
Applicant	Shenzhen Mlife Household Products Co., Ltd
Address	6B01, Block B, Shunjing Chunagke Building, Yousong Road, Longhua District, Shenzhen China 518109
Manufacturer	Shenzhen Mlife Household Products Co., Ltd
Address	6B01, Block B, Shunjing Chunagke Building, Yousong Road, Longhua District, Shenzhen China 518109
Trademark	/
Sample Received Date	2021-07-29
Test Type	Entrustment Test
Test Requested	In accordance with Regulation (EC) No 1935/2004 and Commission Regulation (EU)2020/1245 amending Annex II to Regulation (EU)10/2011, and Resolution AP(2004)5, to determine the submitted sample: 1. Overall migration test (10% ethanol migration, DI Water migration) 2. Heavy metal migration (24 heavy metals) test 3. Primary Aromatic Amine migration test 4. Bisphenol A migration test
Test Method	1. With reference to EN 1186-1:2002; EN 1186-3:2002 2. With reference to EN 13130-1:2004 3. With reference to EN 13130-1:2004 4. With reference to EN 13130-1:2004
Tested by: <u>Bella</u> Bella Approved by: <u>Saher Chen</u> Saher Chen	

Tested Sample/Part Description:

- 1 Green plastic (PCTG)
- 2 Black plastic (PP)
- 3 White translucent silicone ring

Test Result(s):
1. Overall migration

Test Item(s)	Unit	Limit	Test Result		
			1		
			1 st migration	2 nd migration	3 rd migration
10% ethanol, 40°C, 24h	mg/dm ²	10	3.6	3.2	<3.0

Test Item(s)	Unit	Limit	Test Result		
			2		
			1 st migration	2 nd migration	3 rd migration
10% ethanol, 40°C, 24h	mg/dm ²	10	3.3	3.0	<3.0

Test Item(s)	Unit	Limit	Test Result		
			3		
			3 rd migration		
DI Water, 40°C, 24h	mg/dm ²	10	<3.0		

Note:

- mg/dm² = Milligram per square decimeter
- % = Percentage by weight
- °C = Centigrade
- h = hour

2. Heavy metal migration

Test Item(s)	Test Condition	Unit	Limit	Test Result	
				1	2
Barium(Ba)	3% acetic acid, 40°C, 24h	mg/kg	1	<0.25	<0.25
Cobalt(Co)		mg/kg	0.05	<0.01	<0.01
Copper(Cu)		mg/kg	5	<0.25	<0.25
Iron(Fe)		mg/kg	48	<0.25	<0.25
Lithium(Li)		mg/kg	0.6	<0.5	<0.5
Manganese(Mn)		mg/kg	0.6	<0.25	<0.25
Zinc(Zn)		mg/kg	5	<0.5	<0.5
Aluminum(Al)		mg/kg	1	<0.25	<0.25
Nickel(Ni)		mg/kg	0.02	<0.02	<0.02
Ammonium		mg/kg	--	<0.01	<0.01
Antimony(Sb)		mg/kg	0.04	<0.01	<0.01
Arsenic(As)		mg/kg	0.01	<0.01	<0.01
Cadmium(Cd)		mg/kg	0.002	<0.002	<0.002
Calcium(Ca)		mg/kg	--	<0.01	<0.01
Chromium(Cr)		mg/kg	0.01	<0.01	<0.01
Europium(Eu)		mg/kg	0.05	<0.01	<0.01
Gadolinium(Gd)		mg/kg	0.05	<0.01	<0.01
Lanthanum(La)		mg/kg	0.05	<0.01	<0.01
Lead(Pb)		mg/kg	0.01	<0.01	<0.01
Magnesium(Mg)		mg/kg	--	<0.01	<0.01
Mercury(Hg)		mg/kg	0.01	<0.01	<0.01
Potassium(K)		mg/kg	--	<0.01	<0.01
Sodium(Na)		mg/kg	--	<0.01	<0.01
Terbium(Tb)		mg/kg	0.05	<0.01	<0.01

Note:

- mg/kg = Milligram per kilogram
- % = Percentage by weight
- °C = Centigrade
- h = hour
- "--" = Not regulated.

3. Primary Aromatic Amine migration

Test Item(s)	Unit	Limit	Test Result	
			1	2
Primary Aromatic Amine migration (3% acetic acid, 40°C, 24h)	mg/kg	0.002	<0.002	<0.002

Note:

- mg/kg = Milligram per kilogram
- % = Percentage by weight
- °C =Centigrade
- h = hour

4. Bisphenol A migration

Test Item(s)	Unit	Limit	Test Result		
			1	2	3
Bisphenol A migration (3% acetic acid, 40°C, 24h)	mg/kg	0.05	<0.05	<0.05	<0.05

Note:

- mg/kg = Milligram per kilogram
- % = Percentage by weight
- °C =Centigrade
- h = hour

Photograph of Sample



Fig.1



Fig.2



Fig.3



Fig.4

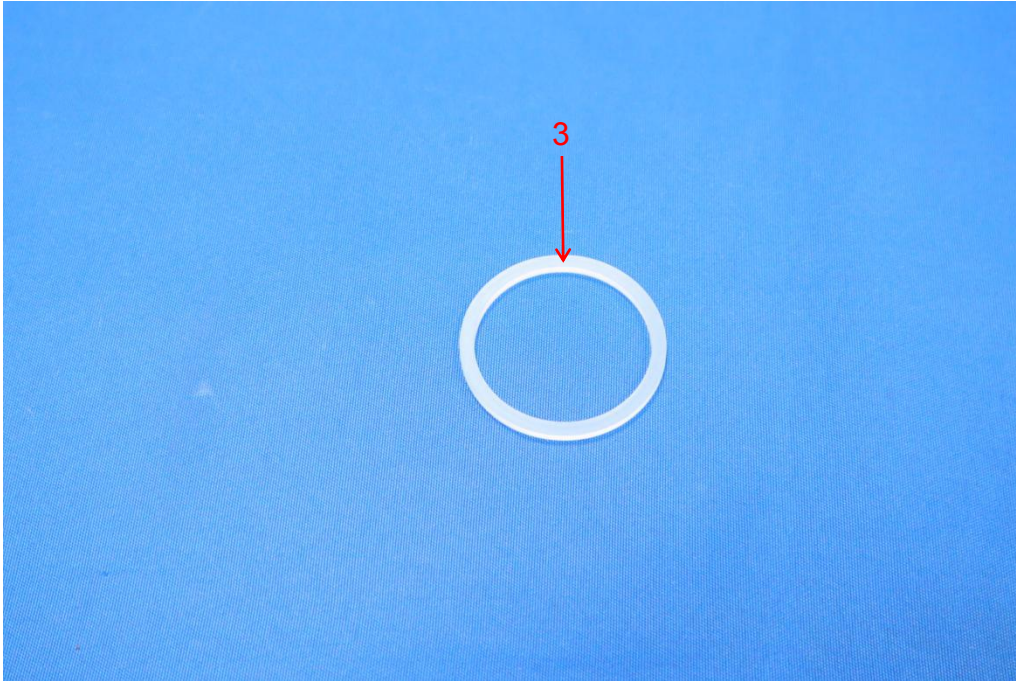


Fig.5

STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without stamp of laboratory.
4. The test report is invalid without signature of person(s) testing and authorizing.
5. The test process and test result is only related to the Unit Under Test.
6. The quality system of our laboratory is in accordance with ISO/IEC17025.
7. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****