

Test Report

No. BCTC-FYC180041163R

Date: Apr. 27, 2018

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Applicant : PUBLIK D.O.O

Address : Vladike Nikolaja 469, 14000 Valjevo, Serbia

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name :

1	Paco mini	10	Berry	19	Dalia	28	Lily bianco	37	Vero mini
2	Paco	11	Black Berry	20	Ella	29	Lucia	38	Momento
3	Julia	12	Betty Bianco	21	Moka	30	Iris	39	Momento mini
4	Barton	13	Betty	22	Lotus	31	Teo mini	40	Jar subli
5	Barton spark	14	Olympia	23	Donald	32	Teo	41	Artica
6	Magic mug	15	Lilly	24	Minas	33	Inverso	42	Frost
7	Mia	16	Fratello	25	Bullet	34	Almond		
8	Lassi neon	17	Jar	26	Select	35	Vitalis		
9	Soft Berry	18	Barton	27	Lassi	36	Vero		

Type /model : See the next page

Manufacturer : Asia Gateway Overseas Ltd,

Address : 21/F., New World Tower 1, 18 Queens Road, Hong Kong

Sample received date : Apr. 03, 2018

Testing period : Apr. 03, 2018 - Apr. 27, 2018

Test requested :

In accordance with Regulation (EC) No 1935/2004, Regulation (EU) No 10/2011, 2005/31/EC and 84/500/EEC with amendments, to determine the submitted sample:

- Extractable heavy metal (Lead, Cadmium, Cobalt) test
- Overall migration(3% Acetic Acid Migration, 10% Ethanol Migration)
- Heavy metal migration (Barium, Cobalt, Copper, Iron, Lithium, Manganese and Zinc) test
- Primary Aromatic Amine migration test
- Extractable heavy metal test

*****For more detailed information, please refer to the next page*****

Tested by

Judy Zou



Approved by

Linhang

Lab:Shenzhen BCTC Testing Co.,Ltd.

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Type /model :

1	44.096.00 - 44.096.99	16	44.069.00 - 44.069.99	31	44.050.00 - 44.050.99
2	44.095.00 - 44.095.99	17	44.084.00 - 44.084.99	32	44.047.00 - 44.047.99
3	44.085.00 - 44.085.99	18	44.058.00 - 44.058.99	33	44.015.00 - 44.015.99
4	44.058.00 - 44.058.99	19	44.043.00 - 44.043.99	34	44.105.00 - 44.105.99
5	44.102.00 - 44.102.99	20	44.082.00 - 44.082.99	35	44.064.00 - 44.064.99
6	44.065.00 - 44.065.99	21	44.044.00 - 44.044.99	36	44.087.00 - 44.087.99
7	44.083.00 - 44.083.99	22	44.094.00 - 44.094.99	37	44.088.00 - 44.088.99
8	44.098.00 - 44.098.99	23	44.093.00 - 44.093.99	38	44.060.00 - 44.060.99
9	44.103.00 - 44.103.99	24	44.101.00 - 44.101.99	39	44.059.00 - 44.059.99
10	44.061.00 - 44.061.99	25	44.092.00 - 44.092.99	40	44.106.00 - 44.106.99
11	44.062.00 - 44.062.99	26	44.067.00 - 44.067.99	41	43.003.00 - 43.003.99
12	44.081.00 - 44.081.99	27	44.025.00 - 44.025.99	42	43.009.00 - 43.009.99
13	44.080.00 - 44.080.99	28	44.063.00 - 44.063.99	43	44.107.00 - 44.107.99,
14	44.097.00 - 44.097.99	29	44.048.00 - 44.048.99	44	44.108.00 - 44.108.99,
15	44.055.00 - 44.055.99	30	44.045.00 - 44.045.99	45	44.109.00 - 44.109.99

Test Method:

Test Item		Test Method
1	Extractable heavy metal (Lead, Cadmium, Cobalt)	With reference to EN1388-1: 1995, EN1388-2: 1995, DIN 51032:1986
2	Overall Migration	3% Acetic Acid Migration With reference to EN 1186-1:2002; EN 1186-3:2002
		10% Ethanol Migration With reference to EN 1186-1:2002; EN 1186-3:2002
3	Heavy Metal migration	With reference to EN 13130-1:2004
4	Primary Aromatic Amine migration	With reference to EN 13130-1: 2004
5	Extractable heavy metal test	With reference to EDQM Technical Guide on Metals and alloys used in food contact materials 2013

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Tested Sample/Part Description:

1	Ceramic	16-2	Red PP cover	29	Ceramic
2	Ceramic	16-3	White silicone ring	30	Ceramic
3	Ceramic	17	Glass(translucent)	31	Ceramic
4	Ceramic	17-2	Blue-white PP tube	32	Ceramic
5	Ceramic	17-3	Tinplate	33	Ceramic
6	Ceramic	18	Ceramic	34	Ceramic
7	Ceramic	19	Ceramic	35	Ceramic
8	Ceramic	20	Ceramic	36	Ceramic
9	Ceramic	21	Ceramic	37	Ceramic
10	Ceramic	22	Ceramic	38	Ceramic
11	Ceramic	23	Ceramic	39	Ceramic
12	Ceramic	24	Ceramic	40	Glass(transparent)
13	Ceramic	25	Ceramic	40-2	Gray-white PP tube
14	Ceramic	26	Ceramic	41	Glass(translucent)
15	Ceramic	27	Ceramic	42	Glass(translucent)
16	Ceramic	28	Ceramic		

Test Result(s):
1.Extractable heavy metal

Test Item(s)	Unit	Limit	Result (Cup body)				
			1	2	3	4	5
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

Test Item(s)	Unit	Limit	Result (Cup body)				
			6	7	8	9	10
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

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Test Item(s)	Unit	Limit	Result (Cup body)				
			11	12	13	14	15
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01


Test Item(s)	Unit	Limit	Result (Cup body)				
			16	17	18	19	20
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

Test Item(s)	Unit	Limit	Result (Cup body)				
			21	22	23	24	25
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

Test Item(s)	Unit	Limit	Result (Cup body)				
			26	27	28	29	30
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

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Test Item(s)	Unit	Limit	Result (Cup body)				
			31	32	33	34	35
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01


Test Item(s)	Unit	Limit	Result (Cup body)				
			36	37	38	39	40
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.01	<0.01	<0.01	<0.01
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01	<0.01	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

Test Item(s)	Unit	Limit	Result (Cup body)	
			41	42
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/L	4.0	<0.1	<0.1
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/L	0.3	<0.01	<0.01
Extractable Cobalt (Co), 4% acetic acid, 22°C, 24h	mg/L	0.2	<0.01	<0.01

Test Item(s)	Unit	Limit	Result (Cup mouth)				
			1	2	5	6	7
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/piece	2	<0.1	<0.1	<0.1	<0.1	<0.1
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/piece	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

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Test Item(s)	Unit	Limit	Result (Cup mouth)				
			8	9	10	11	12
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/piece	2	<0.1	<0.1	<0.1	<0.1	<0.1
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/piece	0.2	<0.01	<0.01	<0.01	<0.01	<0.01

Test Item(s)	Unit	Limit	Result (Cup mouth)		
			13	14	15
Extractable Lead (Pb), 4% acetic acid, 22°C, 24h	mg/piece	2	<0.1	<0.1	<0.1
Extractable Cadmium (Cd), 4% acetic acid, 22°C, 24h	mg/piece	0.2	<0.01	<0.01	<0.01

2. Overall migration

Test Item(s)	Unit	Limit	Test Result			
			16-2	16-3	17-2	40-2
3% Acetic Acid, 100°C, 1h	mg/dm ²	10	<3	<3	<3	<3
10% Ethanol, 100°C, 1h	mg/dm ²	10	<3	<3	<3	<3

3. Heavy Metal migration

Test Item(s)	Condition	Unit	Limit	Test Result		
				16-2	17-2	40-2
Barium(Ba)	3% acetic acid, 100°C, 1h	mg/kg	1	<0.25	<0.25	<0.25
Cobalt(Co)		mg/kg	0.05	<0.01	<0.01	<0.01
Copper(Cu)		mg/kg	5	<0.25	<0.25	<0.25
Iron(Fe)		mg/kg	48	<0.25	<0.25	<0.25
Lithium(Li)		mg/kg	0.6	<0.5	<0.5	<0.5
Manganese(Mn)		mg/kg	0.6	<0.25	<0.25	<0.25
Zinc(Zn)		mg/kg	25	<0.5	<0.5	<0.5
Aluminum (Al)		mg/kg	1	<0.25	<0.25	<0.25

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4. Primary Aromatic Amine migration

Test Item(s)	Unit	Limit	Test Result			
			16-2	16-3	17-2	40-2
Primary Aromatic Amine migration 3% acetic acid, 100°C, 1h	mg/kg	0.01	<0.01	<0.01	<0.01	<0.01

5. Extractable heavy metal test

Test condition: water, 100°C, 1h

Test Item(s)	Test Result 17-3		Requirement	
	1 st + 2 nd extractives (mg/kg)	3 rd extractive (mg/kg)	7×SRL (mg/kg)	SRL (mg/kg)
Barium (Ba)	<0.2	<0.1	8.4	1.2
Copper (Cu)	<0.2	<0.1	28	4
Iron (Fe)	<0.2	<0.1	280	40
Tin (Sn)	<0.2	<0.1	700	100
Chromium (Cr)	<0.02	<0.01	1.75	0.25
Manganese (Mn)	<0.2	<0.1	12.6	1.8
Zinc (Zn)	<0.2	<0.1	35	5
Aluminum (Al)	<0.2	<0.1	35	5
Lithium (Li)	<0.02	<0.01	0.336	0.048
Beryllium (Be)	<0.01	<0.005	0.07	0.01
Vanadium(V)	<0.01	<0.005	0.07	0.01
Nickel (Ni)	<0.02	<0.01	0.98	0.14
Cobalt (Co)	<0.02	<0.01	0.14	0.02
Arsenic (As)	<0.004	<0.002	0.014	0.002
Molybdenum(Mo)	<0.02	<0.01	0.84	0.12
Silver (Ag)	<0.02	<0.01	0.56	0.08
Cadmium (Cd)	<0.004	<0.002	0.035	0.005
Antimony (Sb)	<0.02	<0.01	0.28	0.04
Mercury (Hg)	<0.004	<0.002	0.021	0.003
Thallium (Tl)	<0.0002	<0.0001	0.0007	0.0001
Lead (Pb)	<0.02	<0.01	0.07	0.01

Remark:


-SRL: Specific Release Limit

-The limits reference to Council of Resolution CM/Res(2013)9, results from all three extractives are to be considered for compliance:

- (1). Result of 3rd extractive shall not exceed the SRL;
- (2). Sum of result of 1st and 2nd extractives shall not exceed 7 times of SRL

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Photograph of Sample

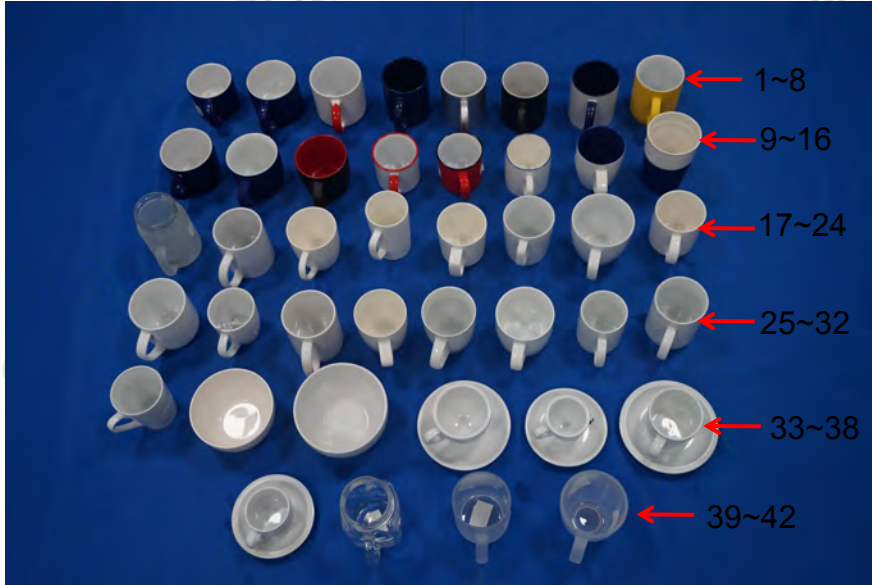


Fig. 1

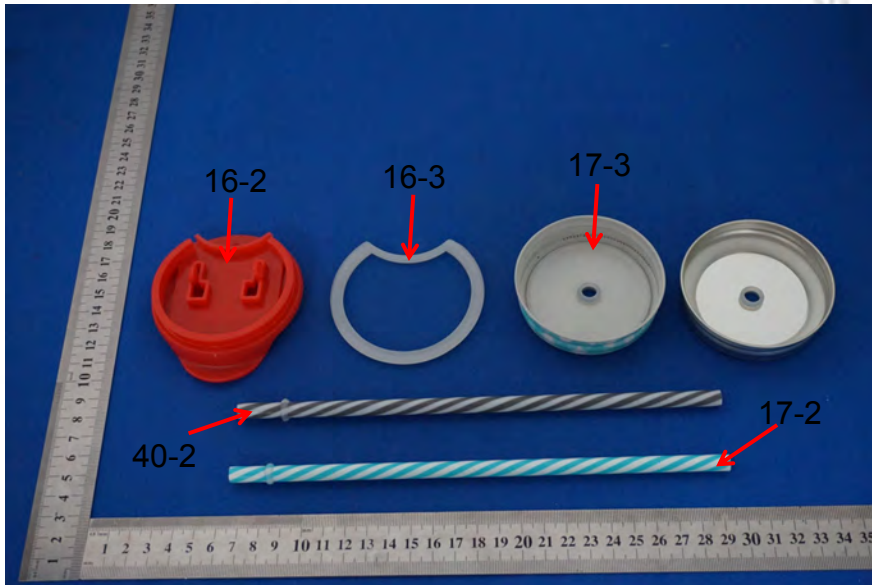


Fig. 2

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