Test Report Number: SZHH01715899

Applicant: Koopman International Asia Limited
c/o Koopman International bv
Distelweg 88
1031 HH Amsterdam

Date: Aug 24, 2022

Attn: QUALITY CONTROL

Sample Description:

Eight (8) pieces of submitted sample said to be :

Item Name	:	**Water Container**
Item No.	:	**CY5952030**
Material	:	1x PE (Body), 2X PP (Transparent Tap, Blue Tap)
Date Sample Received	:	Jul 18, 2022
Testing Period	:	Jul 18, 2022 ~ Aug 24, 2022



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Tests conducted:
As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested Sample	Standard/Testing Item	Result
Tested component(s) of submitted samples	Client's requirement on AfPS GS 2019:01 PAK (PAH) on Polycyclic Aromatic Hydrocarbons (PAHs) Content	Pass
	Client's requirement on sensory test	Pass
	Client's requirement on specific migration of phthalate and plasticiser content	Pass
	Client's requirement on overall migration	Pass

Authorized by:
For Intertek Testing Services Shenzhen Ltd.



Rachel L. Guo
General Manager

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Tests Conducted

1 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2019:01 PAK (PAH), by solvent extraction and determined by Gas Chromatography - Mass Spectrometer (GC/MS).

Other consumer products/Category 1

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	3	-	-			
Phenanthrene	85-01-8	ND	ND	ND	-	-	mg/kg	0.2	-
Anthracene	120-12-7	ND	ND	ND	-	-	mg/kg	0.2	-
Fluoranthene	206-44-0	ND	ND	ND	-	-	mg/kg	0.2	-
Pyrene	129-00-0	ND	ND	ND	-	-	mg/kg	0.2	-
Sum 4 PAHs	-	ND	ND	ND	-	-	mg/kg	0.2	1
Naphthalene	91-20-3	ND	ND	ND	-	-	mg/kg	0.2	1
Benzo[a]anthracene	56-55-3	ND	ND	ND	-	-	mg/kg	0.2	0.2
Chrysene	218-01-9	ND	ND	ND	-	-	mg/kg	0.2	0.2
Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	-	-	mg/kg	0.2	0.2
Benzo[b]fluoranthene	205-99-2	ND	ND	ND	-	-	mg/kg	0.2	0.2
Benzo[k]fluoranthene	207-08-9	ND	ND	ND	-	-	mg/kg	0.2	0.2
Benzo[a]pyrene	50-32-8	ND	ND	ND	-	-	mg/kg	0.2	0.2
Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	-	-	mg/kg	0.2	0.2
Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	-	-	mg/kg	0.2	0.2
Benzo[e]pyrene	192-97-2	ND	ND	ND	-	-	mg/kg	0.2	0.2
Benzo[j]fluoranthene	205-82-3	ND	ND	ND	-	-	mg/kg	0.2	0.2
Sum 15 PAHs	-	ND	ND	ND	-	-	mg/kg	0.2	1

Remarks:
D.L. = Detection Limit

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Tests Conducted

ND = Not detected

Tested Component(s): See component list in the last section of this report

Categories for Products

Parameter	Product
Category 1	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or - for the use by children up to 3 years of age
Category 2	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact with skin during the intended or foreseeable use 2a. use by children 2b. other consumer products
Category 3	Materials covered neither by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use 3a. use by children 3b. other consumer products

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2 Sensory Evaluation

With reference to DIN 10955:2004.

Test Procedure:
Sample was cleaned according to the product's instruction manual or in the absence of such manual, with water. Food simulant was filled in the sample under below mentioned time and temperature. Odour and off-flavour was evaluated with 6 panelists using control sample of food simulant.

Test condition:

Water 40°C 10 days

Test Item	Result					Limit
	1	2	3	-	-	
Intensity of odour	0.5	0.5	0.5	-	-	2.5
Intensity of off- flavour	0.5	0.5	0.5	-	-	2.5

Intensity Scale: 0 = No discernible deviation
1 = Barely discernible deviation
2 = Weak deviation
3 = Clear deviation
4 = Strong deviation

Tested Components: See component list in the last section of this report.

3 Specific Migration of Phthalate and Plasticiser Content Test

With reference to Commission Regulation (EU) No. 10/2011, and its amendment.

Test condition:

Tested component	Food simulant	Temperature(°C)	Time (days)
(1)-(3)	95%(v/v) ethanol	40	10

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Tests Conducted

(1) Transparent PE (body)

Test Item	Result of 95%(v/v) Ethanol				
	1st migration mg/kg	2nd migration mg/kg	3rd migration mg/kg	Reporting Limit mg/kg	Limit mg/kg
Benzyl butyl phthalate (BBP)	ND	ND	ND	1.0	30
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	1.0	1.5
Dibutyl phthalate (DBP)	ND	ND	ND	0.2	0.3
Di-isononyl phthalate (DINP)+Di-isodecyl phthalate (DIDP)	ND	ND	ND	1.0	9.0
Diallyl phthalate (DAP)	ND	ND	ND	0.01	ND
Divinyl adipate	ND	ND	ND	0.01	ND

(2) Transparent PP (tap)

Test Item	Result of 95%(v/v) Ethanol				
	1st migration mg/kg	2nd migration mg/kg	3rd migration mg/kg	Reporting Limit mg/kg	Limit mg/kg
Benzyl butyl phthalate (BBP)	ND	ND	ND	1.0	30
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	1.0	1.5
Dibutyl phthalate (DBP)	ND	ND	ND	0.2	0.3
Di-isononyl phthalate (DINP)+Di-isodecyl phthalate (DIDP)	ND	ND	ND	1.0	9.0
Diallyl phthalate (DAP)	ND	ND	ND	0.01	ND
Divinyl adipate	ND	ND	ND	0.01	ND

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Tests Conducted

(3) Blue PP (tap)

Test Item	Result of 95%(v/v) Ethanol				
	1st migration mg/kg	2nd migration mg/kg	3rd migration mg/kg	Reporting Limit mg/kg	Limit mg/kg
Benzyl butyl phthalate (BBP)	ND	ND	ND	1.0	30
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	1.0	1.5
Dibutyl phthalate (DBP)	ND	ND	ND	0.2	0.3
Di-isononyl phthalate (DINP)+Di-isodecyl phthalate (DIDP)	ND	ND	ND	1.0	9.0
Diallyl phthalate (DAP)	ND	ND	ND	0.01	ND
Divinyl adipate	ND	ND	ND	0.01	ND

ND = Not detected

4 Overall Migration Test

With reference to Commission Regulation (EU) No. 10/2011 and its amendments.

Test condition:

Tested component	Food simulant	Temperature (°C)	Time(Days)
(1)-(3)	50% (v/v) Ethanol	40	10
	3% (w/v) Acetic acid	40	10

(1) Transparent PE (body)

Food Simulant	Result				
	1st migration mg/dm²	2nd migration mg/dm²	3rd migration mg/dm²	Reporting Limit mg/dm²	Limit mg/dm²
3% (w/v) Acetic acid	ND	ND	ND	3	10
50% (v/v) Ethanol	ND	ND	ND	3	10

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(2) Transparent PP (tap)

Food Simulant	Result				
	1st migration mg/dm²	2nd migration mg/dm²	3rd migration mg/dm²	Reporting Limit mg/dm²	Limit mg/dm²
3% (w/v) Acetic acid	ND	ND	ND	3	10
50% (v/v) Ethanol	ND	ND	ND	3	10

(3) Blue PP (tap)

Food Simulant	Result				
	1st migration mg/dm²	2nd migration mg/dm²	3rd migration mg/dm²	Reporting Limit mg/dm²	Limit mg/dm²
3% (w/v) Acetic acid	ND	ND	ND	3	10
50% (v/v) Ethanol	ND	ND	ND	3	10

ND = Not detected

Remark：
Ratio of food contact surface area to volume used to establish the compliance of material or article = 1 dm^2 : 100mL.

Component List

No.	Test Component Description(s)
(1)	Transparent PE (body)
(2)	Transparent PP (tap)
(3)	Blue PP (tap)

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End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band **w** = **U**) except designation from the customer, regulation or test specification.This decision rule only applies to the numeric test results.*

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