

Test Report

Number: SZHH01270912

Applicant: KOOPMAN INTERNATIONAL B.V
DISTELWEG 88 AMSTERDAM, THE
NETHERLANDS

Date: Jul 10, 2018

Attn: QUALITY CONTROL

Sample Description:

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

Item Name : **Strainer.**
Item No. : **172000490 172000500.**
Material : PP (dark grey), TPR (mint green).
Date Sample Received : Jul 02, 2018.



Tests conducted:

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

Conclusion:

<u>Tested Samples</u>	<u>Client's requirement on</u>	<u>Result</u>
Tested components of submitted sample s	----Sensory test	Pass
	----Overall migration on plastic	Pass
	----Catalyst Residues (Cr, V, Zr, Hf) content	Pass
	----Specific migration of phthalate	Pass
	----PAH content	Pass
	----Peroxides residues	Pass

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager



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Tests Conducted

1 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.

I. Test condition:

Water 70°C 2 hours

II. Result:

<u>Test Item</u>	<u>Result</u>	<u>Limit</u>
	<u>(1),(2)</u>	
Intensity of odour	0	2.5
Intensity of off- flavour	0	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.



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2 Overall Migration Test

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

I. Test condition:

Tested component	Food simulant	Temperature (°C)	Time(hours)
(1),(2)	3% (w/v) acetic acid	70	2
	10% (v/v) ethanol	70	2

II. Test Results :

Food Simulant	Result(mg/dm ²)		Reporting Limit (mg/dm ²)	Limit (mg/dm ²)
	(1)	(2)		
10% (v/v) Ethanol	ND	1	1	10
3% (w/v) Acetic acid	ND	2#	1	10

ND = Not detected

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

Remark : Ratio of food contact surface area to volume used to establish the compliance of material or article = 1 dm² : 100mL.

#= The result was analysed on the third migration for repeated use item.



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3 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2014:01 PAK (PAH), by solvent extraction and determined by Gas Chromatography - Mass Spectrometer (GC/MS).

(I) Test Result

Compound	Result (mg/kg)		Limit (mg/kg)		
	(1)	(2)	Category 1	Category 2	Category 3
Acenaphthylene	ND	ND	--	--	--
Acenaphthene	ND	ND	--	--	--
Fluorene	ND	ND	--	--	--
Phenanthrene	ND	ND	--	--	--
Anthracene	ND	ND	--	--	--
Fluoranthene	ND	ND	--	--	--
Pyrene	ND	0.6	--	--	--
Sum (7 PAHs):	ND	0.6	1	10	50
Naphthalene	ND	ND	1	2	10
Benzo(a)Anthracene	ND	ND	0.2	0.5	1
Chrysene	ND	ND	0.2	0.5	1
Indeno(1,2,3-cd)Pyrene	ND	ND	0.2	0.5	1
Benzo(b)Fluoranthene	ND	ND	0.2	0.5	1
Benzo(k)Fluoranthene	ND	ND	0.2	0.5	1
Benzo(a)Pyrene	ND	ND	0.2	0.5	1
Dibenzo(a,h)Anthracene	ND	ND	0.2	0.5	1
Benzo(g,h,i)Perylene	ND	ND	0.2	0.5	1
Benzo(e)Pyrene	ND	ND	0.2	0.5	1
Benzo(j)Fluoranthene	ND	ND	0.2	0.5	1
Sum (18 PAHs):	ND	0.6	1	10	50
Classification of samples: Category	1	1			
Conclusion	P	P			

ND = Not detected
 Detection Limit = 0.2 mg/kg
 P = Pass

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



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(II) Categories for Products

Parameter	Product
Category 1	Food contact materials & materials intended to be put in the mouth
Category 2	Materials with long-term skin contact (>30 sec).
Category 3	Materials with short-term skin contact (<30 sec).

4 Specific Migration of Phthalate Content Test

As per Commission Regulation (EU) No. 10/2011, and its amendment.

I. Test condition:

<u>Food simulant</u>	<u>Time</u>	<u>Temperature</u>
Substitute simulant 95%(v/v) ethanol	2 hours	60°C

II. Test result :

<u>Phthalate</u>	<u>Result (mg/kg)</u> <u>(1),(2)</u>	<u>Limit (mg/kg)</u>
Butyl benzy phthalate (BBP)	<1	30
Bis (2-ethylhexyl) phthalate (DEHP)	<1	1.5
Dibutyl phthalate (DBP)	<0.2	0.3
Di-(iso-nonyl) Phthalate (DINP) + Di-(iso-decyl) phthalate (DIDP)	<1	9
Diallyl phthalate (DAP)	Not detected	Not detected

Remark : Detection limit of DAP = 0.01 mg/kg

Tested components : See tested component list in last section of this report



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5 Heavy Metal(Cr, V, Zr, Hf) Content

As per BfR Recommendations on Food Contact Materials (formerly “Plastics Recommendations”) part VII.

<u>Element</u>	<u>Result (ppm)</u> (1)	<u>Limit (ppm)</u>
Chromium(Cr)	<1	10
Vanadium(V)	<1	20
Zirconium(Zr)	<10	100
Hafnium(Hf)	<10	100

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

ppm= parts per million =mg/kg

6 Peroxide Residues

With reference to LFGB Recommendation V.

<u>Tested Component</u> (2)	<u>Result</u> No positive reaction

Limit : no positive reaction to peroxides

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

Component list :

- (1) Grey PP plastic.
- (2) Gree TPR plastic.

End of report

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