

Test Report

Number: SZHH01652352

Applicant: KOOPMAN INTERNATIONAL BV
DISTELWEG 88 AMSTERDAM, THE
NETHERLANDS

Date: Jan 29, 2022

Attn: QUALITY CONTROL

Sample Description:

Twenty-four (24) pieces of submitted sample said to be :

Item Name : **Kitchen tool set**
Item No. : **170483090**
Material : 2x Silicone (Anthracite, Blue)
Date Sample Received : Jan 25, 2022
Testing Period : Jan 25, 2022 ~ Jan 29, 2022



Tests conducted:

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



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Conclusion:

<u>Tested Sample</u>	<u>Standard/Testing Item</u>	<u>Result</u>
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 organotin compound content	Pass
	Client's requirement on German Food, Commodities and Feeding Act(LFGB), Plastic Recommendation XV, Requirement on Extractable Substances in Silicone Rubber	Pass
	Client's requirement on German Food, Commodities and Feeding Act(LFGB),Plastic Recommendation XV, requirement on peroxide residues in silicone	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	-	-	-			
Phenanthrene	85-01-8	ND	ND	-	-	-	mg/kg	0.2	-
Anthracene	120-12-7	ND	ND	-	-	-	mg/kg	0.2	-
Fluoranthene	206-44-0	ND	ND	-	-	-	mg/kg	0.2	-
Pyrene	129-00-0	ND	ND	-	-	-	mg/kg	0.2	-
Sum 4 PAHs	-	ND	ND	-	-	-	mg/kg	0.2	1
Naphthalene	91-20-3	ND	ND	-	-	-	mg/kg	0.2	1
Benzo[a]anthracene	56-55-3	ND	ND	-	-	-	mg/kg	0.2	0.2
Chrysene	218-01-9	ND	ND	-	-	-	mg/kg	0.2	0.2
Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	-	-	-	mg/kg	0.2	0.2
Benzo[b]fluoranthene	205-99-2	ND	ND	-	-	-	mg/kg	0.2	0.2
Benzo[k]fluoranthene	207-08-9	ND	ND	-	-	-	mg/kg	0.2	0.2
Benzo[a]pyrene	50-32-8	ND	ND	-	-	-	mg/kg	0.2	0.2
Dibenzo[a,h]anthracene	53-70-3	ND	ND	-	-	-	mg/kg	0.2	0.2
Benzo[g,h,i]perylene	191-24-2	ND	ND	-	-	-	mg/kg	0.2	0.2
Benzo[e]pyrene	192-97-2	ND	ND	-	-	-	mg/kg	0.2	0.2
Benzo[j]fluoranthene	205-82-3	ND	ND	-	-	-	mg/kg	0.2	0.2
Sum 15 PAHs	-	ND	ND	-	-	-	mg/kg	0.2	1

Remarks:

D.L. = Detection Limit

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 100 °C 2 hours

Test Item	Result					Limit
	1	2	-	-	-	
Intensity of odour	0.5	0.5	-	-	-	2.5
Intensity of off- flavour	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 Component(s): See component list in the last section of this report

3 Organotin Compounds Content

With reference to ISO/TS 16179:2012, organotin content was determined by Gas Chromatography Mass Spectrometric (GC/MS) analysis.

Test Item	CAS No.	Result					Units	D.L.	Limit
		1	2	-	-	-			
Dimethyltin (DMT)	753-73-1	ND	ND	-	-	-	mg/kg	0.025	ND
n-Butyltin (MBT)	1118-46-3	ND	ND	-	-	-	mg/kg	0.025	ND
n-Octyltin (MOT)	3091-25-6	ND	ND	-	-	-	mg/kg	0.025	ND
Di-n-butyltin (DBT)	683-18-1	ND	ND	-	-	-	mg/kg	0.025	ND
Di-n-octyltin (DOT)	3542-36-7	ND	ND	-	-	-	mg/kg	0.025	15000
Tri-n-butyltin (TBT)	1461-22-9	ND	ND	-	-	-	mg/kg	0.025	ND
Tetra-n-butyltin (TeBT)	1461-25-2	ND	ND	-	-	-	mg/kg	0.025	ND
Tri-n-octyltin (TriOT)	2587-76-0	ND	ND	-	-	-	mg/kg	0.025	ND
Methyltin compounds (MeT)	993-16-8	ND	ND	-	-	-	mg/kg	0.025	ND
Tri-n-propyltin (TPT)	639-58-7	ND	ND	-	-	-	mg/kg	0.025	ND



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Remarks:

D.L. = Detection Limit

ND = Not detected

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

4 Extractable substances of silicone rubber

As per LFGB plastic recommendation XV.

Test Item	Result					Units	D.L.	Limit
	1	2	-	-	-			
Distilled water	ND	ND	-	-	-	%	0.1	0.5
3% (w/v) acetic acid	ND	ND	-	-	-	%	0.1	0.5
10% (v/v) ethanol	ND	ND	-	-	-	%	0.1	0.5

Remarks:

D.L. = Detection Limit

ND = Not detected

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

5 Peroxide Residues of Silicone Rubber

With reference to LFGB Plastic Recommendation BII XV.

Test Item	Result					Limit
	1	2	-	-	-	
Peroxide Residues	No positive reaction	No positive reaction	-	-	-	No positive reaction to peroxides

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



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Component List

No.	Test Component Description(s)
(1)	Anthracite silicone
(2)	Blue silicone

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.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek.

