

TEST REPORT

APPLICANT : Xindao B.V.
ADDRESS : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
SAMPLE DESCRIPTION : Cocoa chocolate fondue set
ITEM NO. : P263. 201
COUNTRY OF ORIGIN : China
COUNTRY OF DESTINATION : Europe
SAMPLE RECEIVED DATE : 16-Feb-2016
TURN AROUND TIME : 16-Feb-2016 to 24-Feb-2016, 7 Working Days

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant.

TEST REQUESTED	RESULT
PAH Limit according to German GS Specification document: AfPS GS 2014:01 PAK (PAK=PAHs)	Pass
PAH Limit according to REACH Annex XVII, Entry 50	Pass
Pentachlorophenol (PCP) Content	Pass
Overall Migration	Pass
Leachable Lead and Cadmium	Pass

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***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

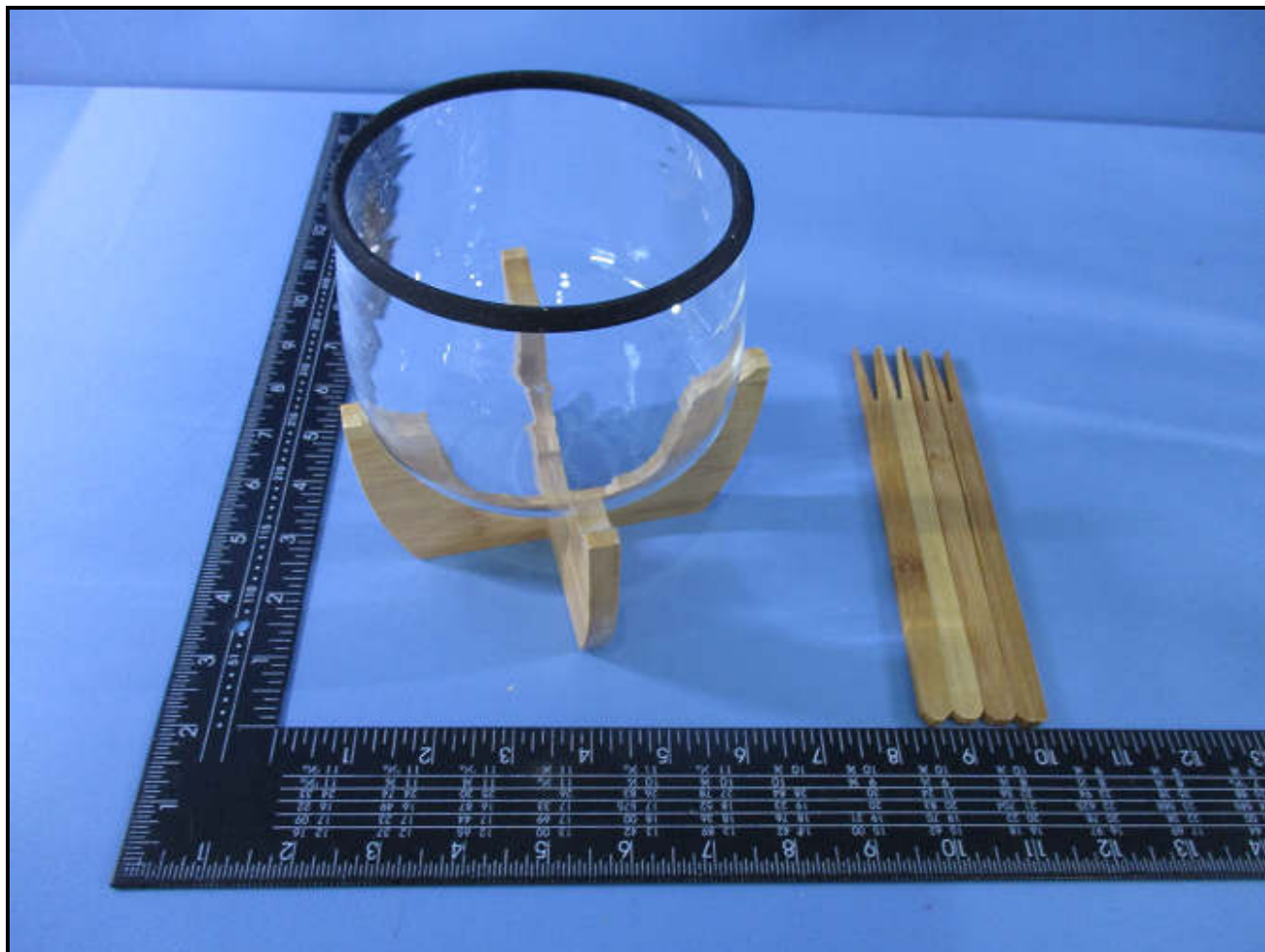
Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd



Terric Ji
Lab Manager

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to sh.info@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd.

SAMPLE PHOTO



EFSH16020297-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component
1	Transparent glass
2	Black silicone ring
3	Wood

TO BE CONTINUED

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: 18 Polycyclic Aromatic Hydrocarbons in polymers (PAHs) according to German GS Specification document: AfPS GS 2014:01 PAK (PAK=PAHs)

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2014:01 PAK (PAK=PAHs) requirement

Requirement: AfPS GS 2014:01 PAK (PAK=PAHs) requirement: Limits for PAHs in Toys under Directive 2009/48/EC and Other products under ProdSG, see table 1 on next page(s):

Parameter	CAS No.	Unit	Result
			2
Benzo(a)pyrene	50-32-8	mg/kg	ND
Benzo(e)pyrene	192-97-2	mg/kg	ND
Benzo(a)anthracene	56-55-3	mg/kg	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	ND
Chrysene	218-01-9	mg/kg	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	ND
Benzo(ghi)perylene	191-24-2	mg/kg	ND
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	ND
Sum of Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	ND
Naphthalene	91-20-3	mg/kg	ND
Sum 18 PAHs	-	mg/kg	ND
Summary to above mentioned requirement:	For Category 1		Pass

Remark:

mg/kg = milligram per kilogram

ND = not detected, less than 0.2 mg/kg

TO BE CONTINUED

TEST RESULT

Table 1

AfPS GS 2014:01 PAK (PAK=PAHs) requirement: Limits for PAHs in Toys under Directive 2009/48/EC and Other products under ProdSG.

Parameter	Unit	Category 1 Materials indented to be put in the mouth, or materials of toys for children with foreseeable skin contact for longer than 30 seconds (long-term skin contact)	Category 2 Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact) or short-term repetitive contact with the human skin		Category 3 Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 seconds (short term skin contact)	
		-	Toys under Directive 2009/48/EC	Other products under ProdSG	Toys under Directive 2009/48/EC	Other products under ProdSG
Benzo(a)pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(e)pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(a)anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(b)fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(j)fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(k)fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo(a,h)anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(ghi)perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno(1,2,3-cd)pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	mg/kg	<1 Sum*	<5 Sum*	<10 Sum*	<20 Sum*	<50 Sum*
Naphthalene	mg/kg	<1	<2		<10	
Sum* 18 PAHs	mg/kg	<1	<5	<10	<20	<50

* = Only those PAH components are taken into account, which have been specified in the material over the 0.2 mg/kg.

TO BE CONTINUED

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in Regulation (EU) 2015/326 amending entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2014:01 PAK (PAK=PAHs) requirement

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					2
For rubber or plastic will direct contact with skin and mouth.					
Benzo(a)anthracene	56-55-3	mg/kg	1	0.2	ND
Chrysene	218-01-9	mg/kg	1	0.2	ND
Benzo(b)fluoranthene Benzo(j)fluoranthene	205-99-2 205-82-3	mg/kg	1	0.2	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	1	0.2	ND
Benzo(a)pyrene	50-32-8	mg/kg	1	0.2	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	1	0.2	ND
Benzo(e)pyrene	192-97-2	mg/kg	1	0.2	ND

Remark:

mg/kg = milligram per kilogram
MDL = method detection limit
ND = Not detected, less than MDL

Pentachlorophenol (PCP) Content

Test Request: Pentachlorophenol (PCP) content as specified in entry 22 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: With reference to ISO 17070:2015, analysis was performed by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					3
Pentachlorophenol (PCP)	87-86-5	mg/kg	1000	0.5	ND

Remark:

mg/kg = milligram per kilogram
MDL = method detection limit
ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Requested : In accordance with Council of Europe Resolution AP (2004) 5.

Test Method : With reference to EN 1186-1:2002 for selection of conditions and test methods;
or EN 1186-3:2002 aqueous food simulants by total immersion method;
or EN 1186-9:2002 aqueous food simulants by article filling method;
or EN 1186-2:2002 olive oil by total immersion method;
or EN 1186-8:2002 olive oil by article filling method;
or EN 1186-14:2002 substitute test.

Simulant Used	Time	Temperature	Max. Permissible Limit (mg/kg)	Test Result (mg/kg)
				2
3% Acetic Acid (W/V) Aqueous Solution	2hrs	100°C	60	<20
50% Ethanol (V/V) Aqueous Solution	2hrs	100°C	60	<20

Note:

- (1) mg/kg = milligram per kilogram
- (2) Analytical tolerance of aqueous simulants is 6 mg/kg
- (3) Analytical tolerance of fatty food simulants is 20 mg/kg
- (4) Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

Leachable Lead and Cadmium

Test Requested : To determine the leachable Lead and Cadmium contents from the submitted samples with reference to European Council Directive 84/500/EEC (COUNCIL DIRECTIVE of 15 October 1984 on the approximation of the laws of the Member States relating to glass articles intended to come into contact with foodstuffs) and its amendment Commission Directive 2005/31/EC

Test Method : With reference to EEC Directive 84/500/EEC and 2005/31/EC.
Analysis was performed by ICP-OES.

Category 2

Specimen	Vol. of 4% Acetic Acid Used (ml)	Depth (mm)	Diameter (mm)
	1	1	1
1	800	80.6	121
2	800	80.6	121
3	800	80.6	121
4	800	80.6	121

Specimen	Leachable Lead (mg/l)	Leachable Cadmium (mg/l)
	1	1
1	< 0.05	< 0.01
2	< 0.05	< 0.01
3	< 0.05	< 0.01
4	< 0.05	< 0.01
Limit	4.0	0.3

Notes:

- (1) Category 1: Articles that cannot be filled and articles that can be filled, the internal depth of which does not exceed 25 mm
- (2) Category 2: Articles, not in categories 1 or 3, which can be filled
- (3) Category 3: Cooking ware; packaging and storage vessels having a capacity of more than three liters

END OF THE REPORT