

# TEST REPORT

**APPLICANT** : Xindao B.V.

**ADDRESS** : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

**SAMPLE DESCRIPTION** : Bopp cool bottle  
bopp mini bottle with carabiner

**ITEM NO.** : P436.10  
P436.70

**COUNTRY OF ORIGIN** : China

**COUNTRY OF DESTINATION** : Europe

**SAMPLE RECEIVED DATE** : 19-Jan-2015

**SAMPLE RESUBMISSION DATE** : 11-Feb-2015

**TURN AROUND TIME** : 11-Feb-2015 to 13-Feb-2015, 3 Working Days

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

TEST REQUESTED	RESULT
- Entry 50 of Regulation (EU) No 1272/2013 amending Annex XVII of REACH Regulation (EC) No 1907/2006 – PAHs Content	Pass
- PAH Limit according to German GS Specification document: AfPS GS 2014:01 PAK (PAK=PAHs)	Pass

**Eurofins (Shanghai) contact information**  
**Customer service:** [EmilyDeng@eurofins.com](mailto:EmilyDeng@eurofins.com) / 021-61819259  
**Sales specialist:** [WandyShen@eurofins.com](mailto:WandyShen@eurofins.com) / 18616155723

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

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



Chris Zhang  
Technical 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](mailto: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**



**EFSH15011066-CG-02**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component
1	White plastic lid
2	Black plastic lid
3	Grey plastic lid
4	Green plastic cover
5	Blue plastic cover
6	Light grey plastic cover
7	Dark grey plastic cover
8	Transparent plastic body
9	Transparent silicone ring

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Polycyclic Aromatic Hydrocarbons (PAHs)

Test Requested : To determine the Polycyclic Aromatic Hydrocarbons (PAHs) content of the submitted sample in accordance with Entry 50 of Regulation (EU) No 1272/2013 amending Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method : With reference to ISO 18287:2006, Analysis was performed by GC/MS.

Test Item(s)	Result (mg/kg)						MDL (mg/kg)	Limit (mg/kg)
	1	2	3	4	5	6		
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	0.2	1
Chrysene	ND	ND	ND	ND	ND	ND	0.2	1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	0.2	1
Benzo(j)fluoranthene								
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	0.2	1
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	0.2	1
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	0.2	1
Benzo(e)pyrene	ND	ND	ND	ND	ND	ND	0.2	1

Test Item(s)	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	7+8	9		
Benzo(a)anthracene	ND	ND	0.2	1
Chrysene	ND	ND	0.2	1
Benzo(b)fluoranthene	ND	ND	0.2	1
Benzo(j)fluoranthene				
Benzo(k)fluoranthene	ND	ND	0.2	1
Benzo(a)pyrene	ND	ND	0.2	1
Dibenzo(a,h)anthracene	ND	ND	0.2	1
Benzo(e)pyrene	ND	ND	0.2	1

**Note :**

- (1) ND = Not detected
- (2) MDL = Method Detection Limit

**Remark:** According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Polycyclic Aromatic Hydrocarbons (PAHs)

- Test specification : 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/EU and Other products under ProdSG, see table 1 on next page(s):

Parameter	CAS No.	Unit	Result			
			1	2	3	9
Benzo(a)pyrene	50-32-8	mg/kg	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	ND	ND	ND	ND
Benzo(a)anthracene	56-55-3	mg/kg	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	ND	ND	ND	ND
Benzo(ghi)perylene	191-24-2	mg/kg	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	ND	ND	ND	ND
Sum of Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	ND	ND	ND	ND
Naphthalene	91-20-3	mg/kg	ND	ND	ND	0.296
Sum 18 PAHs	-	mg/kg	ND	ND	ND	0.296
Summary to above mentioned requirement:	For Category 2 (Other products under ProdSG)		Pass	Pass	Pass	Pass

**Note:**

mg/kg = milligram per kilogram

ND = not detected, less than 0.2 mg/kg

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Polycyclic Aromatic Hydrocarbons (PAHs)

- Test specification : 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/EU and Other products under ProdSG, see table 1 on next page(s):

Parameter	CAS No.	Unit	Result			
			4	5	6	7+8
Benzo(a)pyrene	50-32-8	mg/kg	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	ND	ND	ND	ND
Benzo(a)anthracene	56-55-3	mg/kg	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	ND	ND	ND	ND
Benzo(ghi)perylene	191-24-2	mg/kg	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	ND	ND	ND	ND
Sum of Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	ND	ND	ND	ND
Naphthalene	91-20-3	mg/kg	ND	ND	ND	0.454
Sum 18 PAHs	-	mg/kg	ND	ND	ND	0.454
Summary to above mentioned requirement:	For Category 1		Pass	Pass	Pass	Pass

**Note:**

mg/kg = milligram per kilogram

ND = not detected, less than 0.2 mg/kg

**Remark:**

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

**Table 1**

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

\*\*\* END OF THE REPORT \*\*\*