

TEST REPORT

APPLICANT : Xindao B.V.

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

SAMPLE DESCRIPTION : Soft rubber chrome plated tape 5m/19mm auto stop

ITEM NO. : P113.40

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : Europe

SAMPLE RECEIVED DATE : 07-Jan-2015

SAMPLE RESUBMITTED DATE : 17-Mar-2015

TURN AROUND TIME : 17-Mar-2015 to 20-Mar-2015, 4 Working Days

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

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

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



Terric Ji
Lab Manager

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SAMPLE PHOTO



EFSH15010285-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component
1	Black rubber cover
2	Black plastic button
3	Orange plastic (inner)
4	Transparent plastic (inner)

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test method : With reference to EN 1122: 2001, Method B, analysis was performed by ICP-OES.

Limit : Commission Regulation (EU) No 835/2012 amending Annex XVII of REACH Regulation (EC) No 1907/2006-Cadmium (Cd).

Tested Item(s)	Test Result (%)		M.D.L.(%)	Limit(%)
	1	2+3+4		
Total Cadmium (Cd)	ND	ND	0.0005	0.01

Note:

M.D.L. = method detection limit

ND = not detected, less than M.D.L.

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/EC and Other products under ProdSG, see table 1 on next page(s):

Parameter	CAS No.	Unit	Result	
			1	2+3+4
Benzo(a)pyrene	50-32-8	mg/kg	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	ND	ND
Benzo(a)anthracene	56-55-3	mg/kg	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	ND	ND
Chrysene	218-01-9	mg/kg	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	ND	ND
Benzo(ghi)perylene	191-24-2	mg/kg	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	ND	ND
Sum of Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	ND	0.248
Naphthalene	91-20-3	mg/kg	0.206	ND
Sum 18 PAHs	-	mg/kg	0.206	0.248
Summary to above mentioned requirement:	For Category 2 (Other products under ProdSG)		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/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 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 : Solvent extraction and determination by Gas Chromatography Mass Spectrometry (GC-MS).

Test Item(s)	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	1	2+3+4		
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:

M.D.L. = method detection limit

ND = Not detected, less than detection limit

Remark:

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

*** END OF THE REPORT ***