

Fuzhou CBM Imp&Exp Co.,Ltd  
10C,International Building,No 210 Wusi Rd,Fuzhou,China.

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : RUBBER BR.WITH UNICORN STARS HEARTS AND WORD "SKY"  
SGS Ref No. : SHD002910768  
Buyer :  
Item No. : 123-579  
P.O. No. : 1067821  
Manufacturer : WOOSUNG  
Country of Origin : CHINA  
Country of Destination : GERMANY

Sample Receiving Date : May.09, 2009  
Testing Period : May.09- 14, 2009

Test Requested : (1) To determine the Polynuclear Aromatic Hydrocarbons (PAHs) content of the submitted sample.  
(2) As per client's request, to determine the phthalate contents according to European directive 2005/84/EC.

Test method : (1) With reference to ZEK 01.2-08 of German ZLS and its amendments, Analysis was performed by Gas Chromatograph / Mass Spectrometer (GC/MS).  
(2) With reference to ASTM Method Designation D3421: 1975. Analysis was performed by Gas Chromatography / Mass Spectrometer (GC/MS).

Test Results : Please refer to next pages

Conclusion : (2) When tested as specified, the submitted sample complies with the phthalate requirement stated in European Directive 2005/84/EC.

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory

*Sandy Hao*

Sandy Hao  
Lab Manager

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Test results by chemical method  
(1) PAHs content (Unit: mg/kg)

Test Item(s)	Method (refer to)	1	MDL
Naphthalene	(1)	ND	0.2
Acenaphthylene		ND	0.2
Acenaphthene		ND	0.2
Fluorene		ND	0.2
Phenanthrene		2.0	0.2
Anthracene		ND	0.2
Fluoranthene		ND	0.2
Pyrene		ND	0.2
Benzo(a)anthracene		ND	0.2
Chrysene		ND	0.2
Benzo(b)fluoranthene		ND	0.2
Benzo(k)fluoranthene		ND	0.2
Benzo(a)pyrene		ND	0.2
Indeno(1,2,3-c,d)pyrene		ND	0.2
Dibenzo(a,h)anthracene		ND	0.2
Benzo(g,h,i)perylene		ND	0.2
Sum of 16 PAHs	2.0	-	

ZEK 01.2-08: Restraining maximum values for products

Parameter	Category 1	Category 2	Category 3
	Material intended to be put in the mouth or material for toys with normal skin contact for children aged < 36 months	Materials those are not included in Category 1, with predictable contact with the skin longer than 30 s. (long-term skin contact)	Materials those are not included in Category 1 or 2, with predictable skin contact up to 30 s (short-term skin contact).
Benzo(a)pyrene (mg/kg)	<MDL (<0.2)**	1	20
Sum of 16 PAH(US EPA) (mg/kg)*	<MDL (<0.2)**	10	200

Remark: \* = Only PAH substances >0.2 mg/kg are taken into account while calculating the sum of PAHs  
\*\* = In case that the maximum values exceed the limits of category 1, but are within the limits of category 2, one may confirm the suitability of the tested material which is intended to be put in the mouth by additional specific migration tests of PAH components based on DIN EN 1186ff and §64 LFGB 80.30-1. The conclusion of the migration test results must be made based on food law criteria.

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(2) Phthalate content (Unit: %)  
(2-1) For all toys and childcare articles

Test Item(s):	Method (refer to)	1	Detection Limit	Limit
Dibutyl Phthalate	(DBP)	(2)	ND	0.003
Benzylbutyl Phthalate	(BBP)		ND	0.003
Bis-(2-ethylhexyl) Phthalate	(DEHP)		0.015	0.003
Total (DBP + BBP + DEHP)			min.0.015	-

(2-2) For toys and childcare articles that can be mouthed

Test Item(s):	Method (refer to)	1	Detection Limit	Limit
Diisononyl Phthalate	(DINP)	(2)	ND	0.01
Di-n-octyl Phthalate	(DNOP)		ND	0.003
Diisodecyl Phthalate	(DIDP)		ND	0.01
Total (DINP + DNOP + DIDP)			<0.03	-

Remark : (2-1) European Parliament adopted new phthalate directive 2005/84/EC; DBP, BBP and DEHP are totally banned for use in any toys on childcare articles where their concentration exceeds 0.1% by mass.

(2-2) European Parliament adopted new phthalate directive 2005/84/EC; DINP, DNOP, DIDP are totally banned for use in toys and childcare articles that can be mouthed where their concentration exceeds 0.1% by mass.

Test Part Description:  
1. Mauve rubber band part

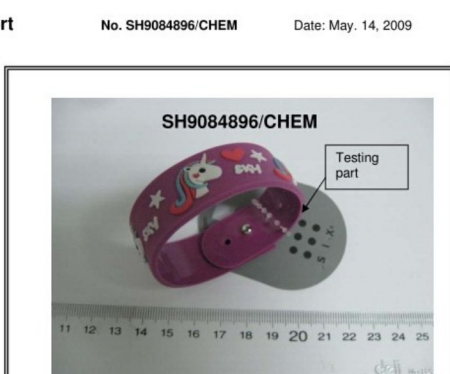
Note :  
(1) mg/kg=ppm  
(2) MDL = Method Detection Limit  
(3) ND = Not Detected  
(4) "-" = Not Regulated  
(5) % = Percentage by weight

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Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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