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Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH0206090704

Applicant: KIDS STUFF LIMITED
RM 1201 MIRROR TOWER
61 MODY RD
TSIM SHA TSUI EAST KLN
HK

Date: Dec 14, 2016

Attn: HENRY YIH / LIAM FAN
KIDS PREFERRED LLC

Submitted sample said to be
Item Name

:
: **Blossom Ear-Resistible Teether, Skipit Ear-Resistible Teether,
Bud Ear-Resistible Teether**

Item No.
Quantity
Labelled Age Group
Packaging Provided
Vendor

: **100243, 100248, 100266**
: 4 sets
: "All Ages"
: Yes
: YM



For and on behalf of :
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung
Vice President





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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) EN71-1: 2014 - Mechanical and Physical Properties	Pass
(2) EN71-2 : 2011 + A1 : 2014 - Flammability Test	Pass
(3) EN71-3 : 2013 + A1:2014 - Migration of certain elements	Pass
(4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(5) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52 & amendment no. 552/2009 - Phthalates content	Pass
(6) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment no. 552/2009 and 126/2013 (formerly known as Directive 2002/61/EC) - Azocolourants content requirement	Pass



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(1) Physical and Mechanical Tests

Test Standard : European Standard on Safety of Toys EN71-1:2014

Age group for testing : For All Ages

Clause	Testing Items
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.5	Drop Test (850 mm x 5)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)
8.9	Soaking test

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	P
4.8	Points and Metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put into mouth	P
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	P
4.21	Toys containing non -electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	Toys intended for children under 36 months	
5.1	General requirements for toys intended for children under 36 months	P
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically driven ride-on toys	NA



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Clause	Requirement	Assessment
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	P
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic / electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA

Abbreviation : P = Pass NA = Not Applicable



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As requested by applicant, samples were tested to EN71-1 both before and after washing.
No difference in test results before and after washing.

The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements and not accredited:

Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking. After checking, it was found that

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Product identification code	Present	Present
CE-marking	Present	Absent

Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was found on the submitted samples.

Date sample received : Dec 07, 2016

Test Period : Dec 07, 2016 to Dec 12, 2016



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(2) Flammability Test

Test Standard : European Standard on Safety of Toys EN71-2 : 2011 + A1 : 2014

Clause	Requirement	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Abbreviation : P = Pass NA = Not Applicable

As requested by applicant, samples were tested to EN71-2 both before and after washing.
No difference in test results before and after washing.

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 12, 2016

(3) 19 Toxic Element Migration Test

Test Standard : EN71-3:2013 + A1:2014

Category (III): Scraped-off toy material:

	Result (mg/kg)			Limit (mg/kg)
	(8)	(9)	(10)	
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000





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	Result (mg/kg)			Limit (mg/kg)
	(11)	(12)	(13)	
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit (mg/kg)
	(14)		
Soluble Aluminium (Al)	<300		70000
Soluble Antimony (Sb)	<10		560
Soluble Arsenic (As)	<10		47
Soluble Barium (Ba)	<10		18750
Soluble Boron (B)	<50		15000
Soluble Cadmium (Cd)	<5		17
Soluble Chromium (III) (Cr III) ++	<10		460
Soluble Chromium (VI) (Cr VI) ++	<0.1		0.2
Soluble Cobalt (Co)	<10		130
Soluble Copper (Cu)	<10		7700
Soluble Lead (Pb)	<10		160
Soluble Manganese (Mn)	<10		15000
Soluble Mercury (Hg)	<10		94
Soluble Nickel (Ni)	<10		930
Soluble Selenium (Se)	<10		460
Soluble Strontium (Sr)	<100		56000
Soluble Tin (Sn)	<10		180000
Soluble Organic tin ++	<2.0		12
Soluble Zinc (Zn)	<100		46000

mg/kg = milligram per kilogram



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++ : Unless the test results were marked with "^" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

Organic tin test result was expressed as tributyl tin.

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Tested Components:

- (1) @ Dark pink coating on plastic (eyes of bunny of Blossom Ear-Resistible teether, Bud Ear-Resistible teether).
- (2) @ Pink coating on plastic (nose of bunny of Blossom Ear-Resistible teether, Bud Ear-Resistible teether).
- (3) @ Pale pink coating on plastic (blushes of bunny of Blossom Ear-Resistible teether, Bud Ear-Resistible teether).
- (4) @ Dull brown coating on plastic (eyes of bunny of Skipit Ear-Resistible teether).
- (5) @ Light brown coating on plastic (eyes of bunny of Skipit Ear-Resistible teether).
- (6) @ Dim brown coating on plastic (nose of bunny of Skipit Ear-Resistible teether).
- (7) @ Light pink coating on plastic (blushes of bunny of Skipit Ear-Resistible teether).
- (8) Beige plastic (body of all styles).
- (9) White satin with brown printing (sewn-in label of all styles).
- (10) Pale blue fabric with multicolor thread stitching and white thread (sewn-in label of all styles).
- (11) Beige satin (ears of all styles).
- (12) 3 mm pink plush (ears of Blossom Ear-Resistible teether).
- (13) 3 mm blue plush (ears of Bud Ear-Resistible teether).
- (14) 3 mm pale brown plush (ears of Skipit Ear-Resistible teether).

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(4) Cadmium (Cd) Content

Test Method : Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2)	ND	0.1
(3)	ND	0.1
(4)	ND	0.1
(5)	ND	0.1
(6)	ND	0.1
(7)	ND	0.1
(8)	ND	0.01
(9)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Dark pink coating on plastic (eyes of bunny of Blossom Ear-Resistible teether, Bud Ear-Resistible teether).
- (2) Pink coating on plastic (nose of bunny of Blossom Ear-Resistible teether, Bud Ear-Resistible teether).
- (3) Pale pink coating on plastic (blushes of bunny of Blossom Ear-Resistible teether, Bud Ear-Resistible teether).
- (4) Dull brown coating on plastic (eyes of bunny of Skipit Ear-Resistible teether).
- (5) Light brown coating on plastic (eyes of bunny of Skipit Ear-Resistible teether).
- (6) Dim brown coating on plastic (nose of bunny of Skipit Ear-Resistible teether).
- (7) Light pink coating on plastic (blushes of bunny of Skipit Ear-Resistible teether).
- (8) Beige plastic (body of all styles).
- (9) Plastic parts of sound maker (sound maker of all styles) (internal).

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(5) Phthalate Content Test

Test Method : EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Six Phthalate content:

Compounds	Result (%, w/w)		Limit (%, w/w)
	(1)	(2)	
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	0.1

Three Phthalate content:

Compounds	Result (%, w/w)	Limit (%, w/w)
	(3)	
Dibutyl phthalate (DBP)	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	0.1

The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 for phthalate content in toys and childcare articles.

Tested Components:

- (1) Coatings on plastic (body of all styles).
- (2) Beige plastic (body of all styles).
- (3) Plastic parts of sound maker (sound maker of all styles) (internal).

Date sample received : Dec 07, 2016

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(6) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis.

EN 14362-1 : 2012 for Textile Material
EN ISO 17234-1: 2010 for Leather Material
EN 14362-3 : 2012 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

No.	Forbidden Amine	CAS No.	Result	
			(1/2)	(3/4)
1.	4-Aminodiphenyl	92-67-1	N	N
2.	Benzidine	92-87-5	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N
4.	2-Naphthylamine	91-59-8	N	N
5.	o-Aminoazotoluene	97-56-3	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N
7.	p-Chloroaniline	106-47-8	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N
14.	p-Cresidine	120-71-8	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N
18.	o-Toluidine	95-53-4	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N
21.	o-Anisidine	90-04-0	N	N
22.	p-Aminoazobenzene	60-09-3	N	N

Remark : N = Not detected
Detection limit = 5 ppm
Requirement = 30 ppm (max.)
ppm = parts per million = mg/kg





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Tested components :

- (1) Beige satin (ears of all styles) .
- (2) 3 mm pink plush (ears of Blossom Ear-Resistible teether) .
- (3) 3 mm blue plush (ears of Bud Ear-Resistible teether) .
- (4) 3 mm pale brown plush (ears of Skipit Ear-Resistible teether) .

Date sample received : Dec 07, 2016

Testing period : Dec 07, 2016 to Dec 13, 2016

End of report

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