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American National Standards Institute  
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Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGH0206090004

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

Date: Dec 13, 2016

Attn: HENRY YIH / LIAM FAN

Submitted sample said to be	:	
Item Name	:	<b>Baa-bs Teether, Clucky Teether, Hammie Teether, Moo Moo Teether</b>
Item No.	:	<b>100244, 100245, 100246, 100247</b>
Quantity	:	6 sets
Labelled Age Group	:	Not Specified
Packaging Provided	:	No
Vendor	:	YM



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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 excluding labelling requirement of clause 7.1	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

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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

The submitted samples were undergone the following abuse tests:	
<u>Clause</u>	<u>Testing Items</u>
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

<u>Clause</u>	<u>Requirement</u>	<u>Assessment</u>
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	#1
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

Remark(s):

#1 = Clause 7.1 - No packaging was submitted for testing. Hence, general requirement for warnings, markings and instructions for use was not assessed.

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

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)
	(7)	(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)	
Soluble Aluminium (Al)	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	460
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Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

++ : 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) @ Pale pink coating on plastic (bow, ears, blush of sheep teether).
- (2) @ Brown coating on plastic (ears of all teether).
- (3) @ Pale purple coating on plastic (feet of sheep teether).
- (4) @ Dull orange coating on plastic (crest, feet of chick teether).
- (5) @ Red coating on plastic (beak of chick teether).
- (6) @ Dull pink coating on plastic (blush of chick teether).
- (7) Light brown coating on plastic (head, body of cow teether).
- (8) @ Light pink coating on plastic (ears, nose, blush, feet, tail of pig teether).
- (9) Pale pink plastic (sheep teether).
- (10) Yellow plastic (chick teether).
- (11) Beige plastic (cow teether).
- (12) Pink plastic (pig 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	0.1
(9)	ND	0.01
(10)	ND	0.01
(11)	ND	0.01
(12)	ND	0.01
(13)	ND	0.01
(14)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Pale pink coating on plastic (bow, ears, blush of sheep teether).
- (2) Brown coating on plastic (ears of all teether).
- (3) Pale purple coating on plastic (feet of sheep teether).
- (4) Dull orange coating on plastic (crest, feet of chick teether).
- (5) Red coating on plastic (beak of chick teether).
- (6) Dull pink coating on plastic (blush of chick teether).
- (7) Light brown coating on plastic (head, body of cow teether).
- (8) Light pink coating on plastic (ears, nose, blush, feet, tail of pig teether).
- (9) Pale pink plastic (sheep teether).
- (10) Yellow plastic (chick teether).
- (11) Beige plastic (cow teether).
- (12) Pink plastic (pig teether).
- (13) Ivory plastic (holder of sound maker) (internal).
- (14) Translucent white plastic (sound maker) (internal).

Date sample received : Dec 07, 2016

Test Period : Dec 07, 2016 to Dec 13, 2016

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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)	(3/4)	
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

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) Pale pink plastic (sheep teether).
- (2) Yellow plastic (chick teether).
- (3) Beige plastic (cow teether).
- (4) Pink plastic (pig teether).

Date sample received : Dec 07, 2016

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

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End of report

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