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Hong Kong Toys Council

**Test Report**

Number: HKGH02061081

Applicant: KIDS STUFF LIMITED  
RM 1201 MIRROR TOWER  
61 MODY RD  
TSIM SHA TSUI EAST KLN  
HK  
Attn: HENRY YIH/ LIAM FAN

Date: Dec 14, 2016

Submitted sample said to be :  
Item Name : **Baa-bs Bandana Bib, Clucky Bandana Bib, Hammie Bandana Bib, Moo Moo Bandana Bib**  
Item No. : **100169, 100170, 100171, 100172**  
Quantity : 4 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) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in non-surface coating materials (substrate)	Pass
(2) U.S. CFR Title 16 (CPSC Regulations) - Part 1303 - Total Lead content in surface coating	Pass
U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Pass
(3) ASTM F963-11 - Flammability test on textile materials	Pass
(4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(5) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 32 - Flammability test	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
(7) DIN 53160-1:2010 - Resistance to artificial saliva test	See details enclosed
(8) DIN 53160-2:2010 - Resistance to artificial sweat test	See details enclosed

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(1) Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method : Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	100
(2)	<20	100
(3)	<20	100
(4)	<20	100
(5)	<20	100
(6)	<20	100
(7)	<20	100
(8)	<20	100
(9)	<20	100
(10)	<20	100
(11)	<20	100
(12)	<20	100
(13)	<20	100
(14)	<20	100
(15)	<20	100

ppm = parts per million = mg/kg

Tested Components:

- (1) Dull grey plastic (pattern of Baa-Bs style).
- (2) Light pink plastic (pattern of Baa-Bs style).
- (3) Deep brown plastic (pattern of Clucky style).
- (4) Deep yellow plastic (pattern of Clucky style).
- (5) Deep grey plastic (pattern of Hammie style).
- (6) Pink plastic (pattern of Hammie style).
- (7) Brown plastic (pattern of Moo Moo style).
- (8) White plastic (pattern of Moo Moo style).
- (9) White satin with light brown coating (sewn-in label of all styles).
- (10) White knit with grey printing (body of Baa-Bs style).
- (11) Yellow knit with orange printing (body of Clucky style).
- (12) Light pink knit with dull pink printing (body of Hammie style).
- (13) Light gold colour metal excluding coating (ring prong snap of all styles).
- (14) Silver colour metal (post of all styles).
- (15) Silver colour metal (stud of all styles).

Date sample received : Dec 07, 2016

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

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**Test Report**

Number: HKGH02061081

(2) Total Lead (Pb) Content in Surface Coating

Test Method : Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, test method CPSC-CH-E1003-09.1, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	90
(2)	<20	90

ppm = parts per million = mg/kg

Tested Components:

- (1) Dull white coating on knit (stripe pattern of Moo Moo style).
- (2) Off white coating on metal (ring prong snap of all styles).

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

(3) Flammability Test on textile materials

Test Standard : Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11  
The fabric sample was tested and passed the requirements.

Tested component :

- (1) Knit/ terry.

Date sample received : Dec 07, 2016  
Test Period : Dec 07, 2016 to Dec 09, 2016

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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	0.01
(4)	ND	0.01
(5)	ND	0.01
(6)	ND	0.01
(7)	ND	0.01
(8)	ND	0.01
(9)	ND	0.01
(10)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Dull white coating on knit (stripe pattern of Moo Moo style).
- (2) Off white coating on metal (ring prong snap of all styles).
- (3) Dull grey plastic (pattern of Baa-Bs style).
- (4) Light pink plastic (pattern of Baa-Bs style).
- (5) Deep brown plastic (pattern of Clucky style).
- (6) Deep yellow plastic (pattern of Clucky style).
- (7) Deep grey plastic (pattern of Hammie style).
- (8) Pink plastic (pattern of Hammie style).
- (9) Brown plastic (pattern of Moo Moo style).
- (10) White plastic (pattern of Moo Moo style).

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

(5) Flammability Test

Test Standard : Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 32

The sample was tested and passed the requirements.

Tested component :

- (1) Knit/ terry.

Date sample received : Dec 07, 2016  
 Test Period : Dec 07, 2016 to Dec 09, 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	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N

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

The components (1, 2, 3, 4) were tested with and without chlorobenzene extractions since the applicant could not provide sufficient information about printing type for choosing extraction method. According to standard test method EN 14362-1:2012, if material is printed with pigments, the method without chlorobenzene should be used.

Tested components :

- (1) White knit with (dull grey, grey, light pink) printings (body of Baa-Bs style) .
- (2) Yellow knit with (orange, deep brown, deep yellow) printings (body of Clucky style) .
- (3) Light pink knit with (pink, deep grey, dull pink) printings (body of Hammie style) .
- (4) Light blue knit with (white, dull white, brown) printings (body of Moo Moo style) .

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

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(7) Resistance to Artificial Saliva

Test Standard : Standard for determination of colour release of daily use articles DIN 53160-1:2010

<u>Tested Component</u>	<u>Colour Staining on Test Filter Paper</u>	<u>Grey Scale Grading</u>
(1)	NIL	5
(2)	NIL	5
(3)	NIL	5
(4)	NIL	5
(5)	NIL	5
(6)	NIL	5
(7)	NIL	5

Remark: Evaluating against ISO Grey Scale for Staining.  
NIL = No staining was observed.

Tested Components :

- (1) Yellow knit with dark orange, brown printing (yellow bib).
- (2) Beige terry (back of all style).
- (3) Beige knit with pink, grey, coating and grey thread (body of beige bib).
- (4) Blue knit with white, brown coating and blue thread (body of blue bib).
- (5) Pink knit with dark pink color printed and grey, dark pink coating and pink thread (body of pink bib).
- (6) White satin white gold color printing (label).
- (7) Blue woven with multi-color thread (logo).

Date sample received : Dec 07, 2016

Test Period : Dec 07, 2016 to Dec 09, 2016

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(8) Resistance to Artificial Sweat

Test Standard : Standard for determination of colour release of daily use articles DIN 53160-2:2010

<u>Tested Component</u>	<u>Colour Staining on Test Filter Paper</u>	<u>Grey Scale Grading</u>
(1)	NIL	5
(2)	NIL	5
(3)	NIL	5
(4)	NIL	5
(5)	NIL	5
(6)	NIL	5
(7)	NIL	5

Remark: Evaluating against ISO Grey Scale for Staining.  
NIL = No staining was observed.

Tested components :

- (1) Yellow knit with dark orange, brown printing (yellow bib).
- (2) Beige terry (back of all style).
- (3) Beige knit with pink, grey, coating and grey thread (body of beige bib).
- (4) Blue knit with white, brown coating and blue thread (body of blue bib).
- (5) Pink knit with dark pink color printed and grey, dark pink coating and pink thread (body of pink bib).
- (6) White satin white gold color printing (label).
- (7) Blue woven with multi-color thread (logo).

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**Sharp Edge Test**

Test Method: The section 4.7 of ASTM F963-11, the submitted sample was assessed for any sharp edge in as-received state

Number of sample tested: One (1) set

Result : After testing, no sharp edge was not found on tested sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

**Sharp Point Test**

Test Method: The section 4.9 of ASTM F963-11, the submitted sample was assessed for any sharp point in as-received state

Number of sample tested: One (1) set

Result : After testing, no sharp point was not found on tested sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

**Small Part Assessment**

Test Method: The clause 4.6 of the ASTM Standard Consumer Safety Specification on Toy safety F963-11. The submitted sample was assessed for small part in as-received state.

Number of sample tested: One (1) set

Age group for testing: All ages

Result : As received, no small part was found on the submitted sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

**Sharp Edge Test**

Test Method: The clause 4.7 of European Standard on Safety of Toys EN71-1:2014, the assessment on sharp edge as sample is received.

Number of sample tested: One (1) set

Result : After testing, no sharp edge was not found on tested sample.

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Testing period: Dec 07, 2016 to Dec 12, 2016

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Sharp Point Test

Test Method: The clause 4.8 of European Standard on Safety of Toys EN71-1:2014, the assessment on sharp point as sample is received.

Number of sample tested: One (1) set

Result : After testing, no sharp point was not found on tested sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

Small Part Assessment

Test Method: The clause 5.1 of European Standard on Safety of Toys EN71-1:2014, the assessment on small part as sample is received.

Number of sample tested: One (1) set

Age group for testing: All ages

Result : As received, no small part was found on the submitted sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

Small Part Assessment

Test Method: The Test Methods Section, Method M-00.1 (Small components) of Canada Consumer Products Safety Act. SOR/2011-17. The submitted sample was assessed for small part in as-received state.

Number of sample tested: One (1) set

Age group for testing: All ages

Result : As received, no small part was found on the submitted sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

Sharp Edge Test

Test Method: The section 4.6 of Australian / New Zealand Standard on Toy Safety AS/NZS ISO 8124-1 : 2016 , the submitted sample was assessed for any sharp edge in as-received state.

Number of sample tested: One (1) set

Result : After testing, no sharp edge was not found on tested sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

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**Sharp Point Test**

Test Method: The section 4.7 of Australian / New Zealand Standard on Toy Safety AS/NZS ISO 8124-1 : 2016, the submitted sample was assessed for any sharp point in as-received state.

Number of sample tested: One (1) set

Result : After testing, no sharp point was not found on tested sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

**Small Part Assessment**

Test Method: The section 4.4 of Australian / New Zealand Standard on Toy Safety AS/NZS ISO 8124-1 : 2016. The submitted sample was assessed for small part in as-received state.

Number of sample tested: One (1) set

Age group for testing: All ages

Result : As received, no small part was found on the submitted sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

**Drawstring Assessment**

Requirement: The submitted sample was assessed for any drawstring in as-received state.

Number of samples tested: One (1) set

Result: No drawstring was found on the submitted sample.

Date sample received: Dec 07, 2016  
Testing period: Dec 07, 2016 to Dec 12, 2016

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End of report

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