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Members of :

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British Standards Institute

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

Test Report

Number: HKGH02060905

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 : **Hammie Bunise (3-6, 6-12 Month)**
Item No. : **100199, 100200**
Quantity : 4 pieces
Labelled Age Group : Not Specified
Packaging Provided : No
Vendor : 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) 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	Not Applicable
U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Not Applicable
(3) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(4) ASTM F963-11 - Flammability test on textile materials	Pass
(5) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 32 - Flammability test	Pass
(6) DIN 53160-1:2010 - Resistance to artificial saliva	See details enclosed
(7) DIN 53160-2:2010 - Resistance to artificial sweat	See details enclosed
(8) 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
(9) ASTM F963-11 section 4.7 -Sharp Edge test	See details enclosed
ASTM F963-11 section 4.9 -Sharp Point test	See details enclosed
ASTM F963-11 section 4.6 -Small Parts	See details enclosed
EN71-1:2014 clause 4.7 -Sharp Edge test	See details enclosed
EN71-1:2014 clause 4.8 -Sharp Point test	See details enclosed
EN71-1:2014 clause 5.1 -Small part	See details enclosed
Canada Consumer Products Safety Act. SOR/2011-17 clause 7 - Small part	See details enclosed
AS/NZS ISO 8124-1 : 2016 section 4.6 -Sharp Edge test	See details enclosed
AS/NZS ISO 8124-1 : 2016 section 4.7 -Sharp Point test	See details enclosed
AS/NZS ISO 8124-1 : 2016 section 4.4 -Small part	See details enclosed
Drawstring Assessment	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

ppm = parts per million = mg/kg

Tested Components:

- (1) Pink plastic (pattern).
- (2) Grey plastic (pattern).
- (3) White knit with pink printing (edge).
- (4) White satin with light brown printing (sewn-in label).
- (5) Silver colour metal (socket).
- (6) Silver colour metal (stud).
- (7) Silver colour metal (ring prong snap).

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 11, 2016

(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.

Assessment : Since no scrapable surface coating was found on the submitted samples, the testing scope of CPSIA for total Lead content test was not applicable to the submitted samples.

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 11, 2016





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(3) 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	0.01
(2)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Pink plastic (pattern).
- (2) Grey plastic (pattern).

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 11, 2016

(4) Flammability Test on Textile Materials

Test Standard : Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11

Tested component: (1) Knit.

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 10, 2016

(5) Flammability Test

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

Tested component: (1) Knit.

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 10, 2016





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(6) 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

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

Tested components:

- (1) Pink knit with pink, grey coating (body).
- (2) White knit with pink printing (binding).
- (3) White satin with gold color printing (label).
- (4) Blue woven with multi-color thread (logo).

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 10, 2016

(7) 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

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

Tested components:

- (1) Pink knit with pink, grey coating (body).
- (2) White knit with pink printing (binding).
- (3) White satin with gold color printing (label).
- (4) Blue woven with multi-color thread (logo).

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 10, 2016



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(8) 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)
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

The component (2) was 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 pink printing (edge) .
- (2) Pink knit with pink/ grey printings (outfit) .

Date sample received : Dec 07, 2016
Testing period : Dec 07, 2016 to Dec 13, 2016



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(9) 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) piece

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 09, 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) piece

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 09, 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) piece

Age group for testing: Ages 3 to 6 months

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 09, 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) piece

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 09, 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) piece

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 09, 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) piece

Age group for testing: Ages 3 to 6 months

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 09, 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) piece

Age group for testing: Ages 3 to 6 months

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 09, 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) piece

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 09, 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) piece

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 09, 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) piece

Age group for testing: Ages 3 to 6 months

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 09, 2016

Drawstring Assessment

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

Number of samples tested: One (1) piece

Result: No drawstring was found on the submitted sample.

Date sample received: Dec 07, 2016
Testing period: Dec 07, 2016 to Dec 09, 2016

End of report

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