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

Test Report

Number: HKGH02061074

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 : **Moo Moo Bunise (3-6, 6-12 Month)**
Item No. : **100201, 100202**
Quantity : 4 sets
Labelled Age Group : "3-6", "6-12"
Packaging Provided : Yes
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) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 32 - Flammability test	Pass
(3) ASTM F963-11 - Flammability test on textile materials	Pass
(4) 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
(5) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	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	See details enclosed
(8) DIN 53160-2:2010 - Resistance to artificial sweat	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

ppm = parts per million = mg/kg

Tested Components:

- (1) White plastic (cow pattern).
- (2) Brown plastic (cow pattern, wording).
- (3) White satin with light brown printing (sewn-in label).
- (4) Silver color metal (ring prong snap).
- (5) Silver color metal (stud).
- (6) Silver color metal (post).

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 13, 2016

(2) 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.

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



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(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.

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

(4) 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 13, 2016

(5) 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) White plastic (cow pattern).
- (2) Brown plastic (cow pattern, wording).

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)
1.	4-Aminodiphenyl	92-67-1	N	N
2.	Benzdine	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) Ivory/ light blue knit (binding) .
- (2) Sky blue knit with white/ brown printings (Moo Moo bunise) .

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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

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

Tested components:

- (1) Blue knit with beige, brown coating (body).
- (2) White knit with blue printings (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 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

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

Tested components:

- (1) Blue knit with beige, brown coating (body).
- (2) White knit with blue printings (binding).
- (3) White satin with gold color printing (label).
- (4) Blue woven with multi-color thread (logo).

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Sharp edge test

With reference to the clause 4.7 of ASTM F963-11, the submitted sample was assessed for any sharp edge in as-received state.

No. of samples tested : One (1) piece

Result : As received, no sharp edge was found on the submitted sample.

Sharp point test

With reference to the clause 4.9 of ASTM F963-11, the submitted sample was assessed for any sharp point in as-received state.

No. of samples tested : One (1) piece

Result : As received, no sharp point was found on the submitted sample.

Small Part Assessment

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

Age group for testing: Ages 6 to 12 months

Number of samples tested: One (1) piece

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

Drawstring Assessment

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

Number of samples tested: One (1) piece

Findings: No drawstring was found on the submitted sample.

Date sample received: Dec 07, 2016

Testing period: Dec 07, 2016 to Dec 09, 2016





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Sharp edge test

With reference to the Test Methods Section, Method M-00.2 (Sharp Edges) of Canada Consumer Products Safety Act. SOR/2016-195, the submitted sample was assessed for any sharp edge in as-received state.

No. of samples tested : One (1) piece

Result : As received, no sharp edge was found on the submitted sample.

Sharp point test

With reference to the Test Methods Section, Method M-00.3 (Sharp Points) of Canada Consumer Products Safety Act. SOR/2016-195, the submitted sample was assessed for any sharp point in as-received state.

No. of samples tested : One (1) piece

Result : As received, no sharp point was found on the submitted sample.

Small Part Assessment

With reference to the Test Methods Section, Method M-00.1 (Small components) of Canada Consumer Products Safety Act. SOR/2016-195. The submitted sample was assessed for small part in as-received state.

Age group for testing: Ages 6 to 12 months

Number of samples tested: One (1) piece

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

Drawstring Assessment

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

Number of samples tested: One (1) piece

Findings: No drawstring was found on the submitted sample.

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Sharp edge test

With reference to the clause 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.

No. of samples tested : One (1) piece

Result : As received, no sharp edge was found on the submitted sample.

Sharp point test

With reference to the clause 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.

No. of samples tested : One (1) piece

Result : As received, no sharp point was found on the submitted sample.

Small Part Assessment

With reference to the clause 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.

Age group for testing: Ages 6 to 12 months

Number of samples tested: One (1) piece

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

Drawstring Assessment

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

Number of samples tested: One (1) piece

Findings: No drawstring was found on the submitted sample.

Date sample received: Dec 07, 2016

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Sharp edge test

With reference to the clause 4.7 of European Standard on Safety of toys EN71-1 : 2014, the submitted sample was assessed for any sharp edge in as-received state.

No. of samples tested : One (1) piece

Result : As received, no sharp edge was found on the submitted sample.

Sharp point test

With reference to the clause 4.8 of European Standard on Safety of toys EN71-1 : 2014, the submitted sample was assessed for any sharp point in as-received state.

No. of samples tested : One (1) piece

Result : As received, no sharp point was found on the submitted sample.

Small Part Assessment

With reference to the clause 5.1 of European Standard on Safety of toys EN71-1 : 2014. The submitted sample was assessed for small part in as-received state.

Age group for testing: Ages 6 to 12 months

Number of samples tested: One (1) piece

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

Drawstring Assessment

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

Number of samples tested: One (1) piece

Findings: No drawstring was found on the submitted sample.

Date sample received: Dec 07, 2016

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End of report

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