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

Test Report

Number: HKGH02060992

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
KIDS PREFERRED LLC

Submitted sample said to be :
Item Name : **Bud Sailor Romper (3-6, 6-12 Month)**
Item No. : **100192, 100193**
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	Pass
U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Pass
(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 knit with blue printing (main body).
- (2) Dull white knit with light blue printing (sleeves & bow).
- (3) Silver color metal excluding white coating (ring snap).
- (4) Silver color metal (socket).
- (5) Silver color metal (stud).
- (6) Silver color metal (base of stud).

Date sample received : Dec 07, 2016
Test Period : Dec 07, 2016 to Dec 12, 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 10, 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 10, 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.

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

ppm = parts per million = mg/kg

Tested Component:

(1) White coating on metal (ring snap).

Date sample received : Dec 07, 2016

Test Period : Dec 07, 2016 to Dec 12, 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	0.1

ND : Not detected (< 0.0005%)

Tested Component:

(1) White coating on metal (ring snap).

Date sample received : Dec 07, 2016

Test Period : Dec 07, 2016 to Dec 12, 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 (ppm)		Limit (ppm)
			(1)	(2/3)	
1	4-Aminodiphenyl	92-67-1	N	N	30
2	Benzidine	92-87-5	N	N	30
3	4-Chloro-o-toluidine	95-69-2	N	N	30
4	2-Naphthylamine	91-59-8	N	N	30
5	o-Aminoazotoluene	97-56-3	N	N	30
6	2-Amino-4-nitrotoluene	99-55-8	N	N	30
7	p-Chloroaniline	106-47-8	N	N	30
8	2,4-Diaminoanisole	615-05-4	N	N	30
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	30
10	3,3'-Dichlorobenzidine	91-94-1	N	N	30
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	30
12	3,3'-Dimethylbenzidine	119-93-7	N	N	30
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	30
14	p-Cresidine	120-71-8	N	N	30
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	30
16	4,4'-Oxydianiline	101-80-4	N	N	30
17	4,4'-Thiodianiline	139-65-1	N	N	30
18	o-Toluidine	95-53-4	N	N	30
19	2,4-Toluylenediamine	95-80-7	N	N	30
20	2,4,5-Trimethylaniline	137-17-7	N	N	30
21	o-Anisidine	90-04-0	N	N	30
22	p-Aminoazobenzene	60-09-3	N	N	30

N = Not detected

Detection limit = 5 ppm

Requirement = 30 ppm (max.)

ppm = parts per million = mg/kg

Tested Components:

- (1) White knit with blue printing (main body).
- (2) Dull white knit with light blue printing (sleeves & bow).
- (3) Blue knit (collar).

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Test Period : Dec 07, 2016 to Dec 12, 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

Remark: Evaluating against ISO Grey Scale for Staining.

NIL = No staining was observed.

Tested components:

- (1) Blue knit (collar).
- (2) White knit with blue, grey embroidery thread (body).
- (3) White knit with blue dots printing (body).
- (4) White knit with blue printing (body).
- (5) White satin with gold color printing (label).
- (6) 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) 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

Remark: Evaluating against ISO Grey Scale for Staining.

NIL = No staining was observed.

Tested components:

- (1) Blue knit (collar).
- (2) White knit with blue, grey embroidery thread (body).
- (3) White knit with blue dots printing (body).
- (4) White knit with blue printing (body).
- (5) White satin with gold color printing (label).
- (6) Blue woven with multi-color thread (logo).

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Sharp edge test

With reference to the section 4.7 of ASTM F963-16, the submitted sample was assessed for any sharpedge 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 the section 4.9 of ASTM F963-16, 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 the ASTM Standard Consumer Safety Specification on Toy safety F963-16. The submitted sample was assessed for small part in as-received state.

Age group for testing: Ages 0 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 08, 2016

Testing period: Dec 08, 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/2011-17 and amendment 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/2011-17 and amendment 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/2011-17 and amendment SOR/2016-195. The submitted sample was assessed for small part in as-received state.

Age group for testing: Ages 0 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 08, 2016
Testing period: Dec 08, 2016 to Dec 09, 2016





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Sharp edge test

With reference to the section 4.6 of Australian / New Zealand Standard on Toy Safety AS/NZS 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 the section 4.7 of Australian / New Zealand Standard on Toy Safety AS/NZS 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 the section 4.4 of Australian / New Zealand Standard on Toy Safety AS/NZS 8124-1 : 2016, The submitted sample was assessed for small part in as-received state.

Age group for testing: Ages 0 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 08, 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 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 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 0 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 08, 2016

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End of report

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