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

Test Report

Number: HKGH02060934

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 : Blossom Romper (3-6, 6-12 Month)
Item No. : 100178, 100179
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) 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) 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



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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) White elastic band (holder).
- (2) White satin with light brown printing (sewn-in label of outfit).
- (3) Light grey fabric with grey printing (outfit).
- (4) Gold color metal excluding coating (ring prong snap).
- (5) Silver color metal (ring prong snap).
- (6) Silver color metal (stud).
- (7) Silver color metal (socket).

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

(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



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(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) Ivory coating on metal (ring prong 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
(2)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Ivory coating on metal (ring prong snap).
- (2) White elastic band (holder).

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

(6) Resistance to Artificial Saliva

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

Tested Component	Colour Staining on Test Filter Paper	Grey Scale Grading
(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.





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Tested components:

- (1) Pink knit (collar, ears).
- (2) Beige knit with grey printed and pink, grey embroidery thread (body).
- (3) White satin with gold color printing (label).
- (4) Blue woven with multi-color printing (logo).
- (5) Off white elastic band (body).
- (6) Metal with beige coating (button).

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
(5)	NIL	5
(6)	NIL	5

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

Tested components:

- (1) Pink knit (collar, ears).
- (2) Beige knit with grey printed and pink, grey embroidery thread (body).
- (3) White satin with gold color printing (label).
- (4) Blue woven with multi-color printing (logo).
- (5) Off white elastic band (body).
- (6) Metal with beige coating (button).

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

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

Tested components :

- (1) Light grey fabric with grey printing (outfit) .
- (2) Pink fabric (ears, collar) .

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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 13, 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.

Date sample received: Dec 07, 2016

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





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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.

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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.

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End of report

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