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TEST REPORT

Number: BKKH15010832

Applicant: PLAN CREATIONS CO., LTD.
8 MOO 8, TRANG-PALIAN RD.,
YANTAKAO, TRANG, THAILAND 92140
ATTN: K.NARONG, K.SUPAPORN

Date: Sep 29, 2015

Sample description:

One (1) set of submitted sample said to be SIT N WALK PUPPY

Item Name: SIT N WALK PUPPY
Item Number: 5103
Date Sample Received: August 24, 2015
Date Information Resubmitted: September 25, 2015



BKKH15010832

Test conducted:

As requested by the applicant, for details please refer to attached page(s)

To be continued

Authorized by :
For Intertek Testing Services (Thailand)

Ladtaka Wongwiboonporn

Ladtaka Wongwiboonporn
Laboratory Manager
Hardlines Department

Intertek Testing Services (Thailand) Ltd.

1285/5 Prachachuen Road, Wong-Sawang, Bangsue, Bangkok 10800 Thailand

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TEST REPORT

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Conclusion:

Tested samples

Submitted sample

Standard - U.S. ASTM F963-11

U.S. ASTM F963-11 for Physical and mechanical tests

Result

Pass

U.S. ASTM F963-11 for flammability test of materials
other than textile materials

Pass

Heavy Elements Test

Pass

Standard - U.S. CFR title 16

(CPSC regulations)

Part 1303 total Lead content

Pass

Standard

U.S. Consumer product safety improvement
Act 2008(H.R. 4040) Title I, Section 101
For total lead content in surface coating

Pass

U.S. Consumer product safety improvement
Act 2008(H.R. 4040) Title I, Section 101
For total lead content in non-surface coating material (substrate)

Pass

U.S. Consumer product safety improvement
Act 2008(H.R. 4040) Title I, Section 108
Requirement on phthalates

Pass

Phthalate Content Requirement base
on the California Proposition 65

Pass

Illinois Lead Poisoning Prevention
Act 410 ILCS 45 section 6 (public act 095-1019)

Pass

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Remark:

The chemical test results was not conducted on the below components of samples. Applicant claimed the components were tested on our previous test report.

<u>Components</u>	<u>Report No.</u>	<u>Date</u>
<u>ASTM</u>		
5029037 Water Base Red	BKKH14014774	Nov 17, 2014
5329128 Print Ink Brown	BKKH15006378	May 26, 2015
5020038 Lacquer Water Base	BKKH15006378	May 26, 2015
5320019 Print Ink Black	BKKH15006801	Jun 02, 2015
5029033 WATER BASE GRAY	BKKH15006885	Jun 05, 2015
5029038 WATER BASE BROWN	BKKH15011299	Sep 04, 2015
5140023 SPRAY WATER BASE GRAY	BKKH15011305	Sep 07, 2015
SOLID WOOD	BKKH14014940	Nov 20, 2014
5293727/5292284 WHITE ELASTIC	BKKH15005188	Apr 24, 2015
5280192 ROPE COTTON BRAID	BKKH15005729	May 12, 2015
5082041 FELT BROWN	BKKH15008183	Jun 26, 2015
5282292 WHITE ROPE	BKKH15011300	Sep 04, 2015
5080098 FELT WHITE-CREAM	BKKH15012015	Sep 21, 2015
5280123 THREAD SPUN GRAY#1751	BKKH15012015	Sep 21, 2015
5283087 THREAD SPUN DARK BROWN	BKKH15012285	Sep 24, 2015
<u>Lead in surface coating</u>		
5029037 Water Base Red	BKKH14014774	Nov 17, 2014
5329128 Print Ink Brown	BKKH15006378	May 26, 2015
5020038 Lacquer Water Base	BKKH15006378	May 26, 2015
5320019 Print Ink Black	BKKH15006801	Jun 02, 2015
5029033 WATER BASE GRAY	BKKH15006885	Jun 05, 2015
5029038 WATER BASE BROWN	BKKH15011299	Sep 04, 2015
5140023 SPRAY WATER BASE GRAY	BKKH15011305	Sep 07, 2015
<u>Lead in substrate</u>		
SOLID WOOD	BKKH14014940	Nov 20, 2014
5293727/5292284 WHITE ELASTIC	BKKH15005188	Apr 24, 2015
5280192 ROPE COTTON BRAID	BKKH15005729	May 12, 2015
5082041 FELT BROWN	BKKH15008183	Jun 26, 2015
5282292 WHITE ROPE	BKKH15011300	Sep 04, 2015
5080098 FELT WHITE-CREAM	BKKH15012015	Sep 21, 2015
5280123 THREAD SPUN GRAY#1751	BKKH15012015	Sep 21, 2015
5283087 THREAD SPUN DARK BROWN	BKKH15012285	Sep 24, 2015

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<u>Components</u>	<u>Report No.</u>	<u>Date</u>
<u>Phthalate content</u>		
5020038 LACQUER WATER BASE	BKKH15003996	Mar 26, 2015
5029037 WATER BASE RED	BKKH15003889	Mar 24, 2015
5320019 PRINT INK BLACK	BKKH15003846	Mar 23, 2015
5329128 PRINT INK BROWN	BKKH15003846	Mar 23, 2015
5293727/5292284 WHITE ELASTIC	BKKH15005188	Apr 24, 2015
5029033 WATER BASE GRAY	BKKH15006885	Jun 05, 2015
5029038 WATER BASE BROWN	BKKH15008387	Jul 02, 2015
5140023 SPRAY WATER BASE GRAY	BKKH15011305	Sep 07, 2015

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TEST REPORT

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Test conducted:

1 **Physical And Mechanical Tests**

As per the ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

Applicant's specified age group for testing : For age over 12 months.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations : -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Drop test	Section 1500.51(b)	10 x 4.5 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Packaging film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps and elastics	P
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	P
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA

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Section	Testing items	Assessment
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings - name of producer (toy and package) - address (package)	Yes Yes

Remark : P = Pass NA = Not applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Testing period : August 24, 2015 to August 26, 2015

2 Flammability Test

As per Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-11

Sample	Ignition point	Burn length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)
Ears	Right to Left	1.9	60	0.03	0.1

The submitted toy sample was tested, the above result only showed the most severe burn rate of the samples.

Testing period : August 24, 2015 to August 26, 2015

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Test conducted:

3 Heavy Elements Analysis

As per Section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			<u>Result</u> <u>mg/kg</u>			<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
	(1)	(2)	(3)	(4)	(5)			
Sol. Barium (Ba)	< 4	ND	4	5	<4	0.7	4	1000
Sol. Lead (Pb)	< 4	ND	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble
< = Less than
mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(1) =	5029037	Water Base Red	Refer	BKKH14014774
(2) =	5329128	Print Ink Brown	Refer	BKKH15006378
(3) =	5020038	Lacquer Water Base	Refer	BKKH15006378
(4) =	5320019	Print Ink Black	Refer	BKKH15006801
(5) =	5029033	WATER BASE GRAY	Refer	BKKH15006885

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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Test conducted:

Heavy Elements Analysis

As per Section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

	<u>Result</u> <u>mg/kg</u>		<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
	(6)	(7)			
Sol. Barium (Ba)	5	<4	0.7	4	1000
Sol. Lead (Pb)	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	<2	0.8	2	60
Sol. Selenium (Se)	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	0.8	2	25

Remark: Sol. = Soluble
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LOD = Limit of Detection
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ND = Not detected (Less than LOD)

Tested components:

(6) =	5029038	WATER BASE BROWN	Refer	BKKH15011299
(7) =	5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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Heavy Elements Analysis

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			<u>Result</u> <u>mg/kg</u>			<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
	(8)	(9)	(10)	(11)	(12)			
Sol. Barium (Ba)	< 4	ND	ND	<4	ND	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	<2	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble
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mg/kg = Milligram per kilogram = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(8) =	SOLID WOOD	Refer	BKKH14014940
(9) =	5293727/5292284 WHITE ELASTIC	Refer	BKKH15005188
(10) =	5280192 ROPE COTTON BRAID	Refer	BKKH15005729
(11) =	5082041 FELT BROWN	Refer	BKKH15008183
(12) =	5282292 WHITE ROPE	Refer	BKKH15011300

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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Test conducted:

Heavy Elements Analysis

As per Section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
	(13)	(14)	(15)			
Sol. Barium (Ba)	ND	7	6	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble
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LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(13) =	5080098	FELT WHITE-CREAM	Refer	BKKH15012015
(14) =	5280123	THREAD SPUN GRAY#1751	Refer	BKKH15012015
(15) =	5283087	THREAD SPUN DARK BROWN	Refer	BKKH15012285

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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Test conducted:

Total Lead (Pb) Content

As per Sections 4.3.5.1(1) and 4.3.5.2(2)(a) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by ICP-OES analysis.

(I) Surface coating

<u>Tested Component</u>	<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>(mg/kg)</u>	<u>LOQ</u> <u>(mg/kg)</u>	<u>Limit</u> <u>(mg/kg)</u>
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	<13	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90

Remark: < = Less than
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ND = Not detected (Less than LOD)

Tested components:

(1) =	5029037	Water Base Red	Refer	BKKH14014774
(2) =	5329128	Print Ink Brown	Refer	BKKH15006378
(3) =	5020038	Lacquer Water Base	Refer	BKKH15006378
(4) =	5320019	Print Ink Black	Refer	BKKH15006801
(5) =	5029033	WATER BASE GRAY	Refer	BKKH15006885
(6) =	5029038	WATER BASE BROWN	Refer	BKKH15011299
(7) =	5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

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Test conducted:

Total Lead (Pb) Content

As per Sections 4.3.5.1(1) and 4.3.5.2(2)(a) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 were used and total Lead content was determined by ICP-OES analysis.

(II) Non-surface coating

<u>Tested Component</u>	<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>(mg/kg)</u>	<u>LOQ</u> <u>(mg/kg)</u>	<u>Limit</u> <u>(mg/kg)</u>
(8)	< 13	1	13	100
(9)	ND	1	13	100
(10)	ND	1	13	100
(11)	ND	1	13	100
(12)	ND	1	13	100
(13)	ND	1	13	100
(14)	ND	1	13	100
(15)	<13	1	13	100

Remark: < = Less than
mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(8) =	SOLID WOOD	Refer	BKKH14014940
(9) =	5293727/5292284 WHITE ELASTIC	Refer	BKKH15005188
(10) =	5280192 ROPE COTTON BRAID	Refer	BKKH15005729
(11) =	5082041 FELT BROWN	Refer	BKKH15008183
(12) =	5282292 WHITE ROPE	Refer	BKKH15011300
(13) =	5080098 FELT WHITE-CREAM	Refer	BKKH15012015
(14) =	5280123 THREAD SPUN GRAY#1751	Refer	BKKH15012015
(15) =	5283087 THREAD SPUN DARK BROWN	Refer	BKKH15012285

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Test conducted:

4 Total Lead (Pb) content

As per U.S. Code of Federal Regulations title 16 Part 1303. Acid digestion method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

<u>Tested component</u>	<u>Result</u>	<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
(1)	ND	0.0002	0.0013	0.009
(2)	ND	0.0002	0.0013	0.009
(3)	ND	0.0002	0.0013	0.009
(4)	<0.0013	0.0002	0.0013	0.009
(5)	ND	0.0002	0.0013	0.009
(6)	ND	0.0002	0.0013	0.009
(7)	ND	0.0002	0.0013	0.009

Remark: % = percentage
 < = Less than
 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 ND = Not detected (Less than LOD)

Tested components:

(1) =	5029037	Water Base Red	Refer	BKKH14014774
(2) =	5329128	Print Ink Brown	Refer	BKKH15006378
(3) =	5020038	Lacquer Water Base	Refer	BKKH15006378
(4) =	5320019	Print Ink Black	Refer	BKKH15006801
(5) =	5029033	WATER BASE GRAY	Refer	BKKH15006885
(6) =	5029038	WATER BASE BROWN	Refer	BKKH15011299
(7) =	5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

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Test conducted:

5 Total lead (Pb) content in surface coating

As per U.S. Consumer Product Safety Improvement Act of 2008 (H.R. 4040), Title I, Section 101 for children's products containing Lead, CPSC-CH-E1003-09.1 method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

<u>Tested component</u>	<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	<13	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90

Remark: < = Less than
mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(1) =	5029037	Water Base Red	Refer	BKKH14014774
(2) =	5329128	Print Ink Brown	Refer	BKKH15006378
(3) =	5020038	Lacquer Water Base	Refer	BKKH15006378
(4) =	5320019	Print Ink Black	Refer	BKKH15006801
(5) =	5029033	WATER BASE GRAY	Refer	BKKH15006885
(6) =	5029038	WATER BASE BROWN	Refer	BKKH15011299
(7) =	5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

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TEST REPORT

Number: BKKH15010832

Test conducted:

- 6 Total lead (Pb) content in substrate material- non-metal children's product
As per U.S. Consumer product safety improvement Act of 2008 (H.R. 4040), Title I, Section 101 for children's products containing lead, CPSC-CH-E1002-08.3 method was used and total lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

<u>Tested component</u>	<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
(1)	< 13	1	13	100
(2)	ND	1	13	100
(3)	ND	1	13	100
(4)	ND	1	13	100
(5)	ND	1	13	100
(6)	ND	1	13	100
(7)	ND	1	13	100
(8)	<13	1	13	100

Remark: < = Less than
 mg/kg = Milligram per kilogram = ppm = Parts per million
 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 ND = Not detected (Less than LOD)

Tested components:

(1) =	SOLID WOOD	Refer	BKKH14014940
(2) =	5293727/5292284 WHITE ELASTIC	Refer	BKKH15005188
(3) =	5280192 ROPE COTTON BRAID	Refer	BKKH15005729
(4) =	5082041 FELT BROWN	Refer	BKKH15008183
(5) =	5282292 WHITE ROPE	Refer	BKKH15011300
(6) =	5080098 FELT WHITE-CREAM	Refer	BKKH15012015
(7) =	5280123 THREAD SPUN GRAY#1751	Refer	BKKH15012015
(8) =	5283087 THREAD SPUN DARK BROWN	Refer	BKKH15012285

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TEST REPORT

Number: BKKH15010832

Test conducted:

7 Phthalate content

As per CPSC-CH-C1001-09.3 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result</u> (%, w/w)					<u>LOD</u> (%, w/w)	<u>LOQ</u> (%, w/w)	<u>Limit</u> (%, w/w)	<u>NPR</u> (%, w/w)
	(1)	(2)	(3)	(4)	(5)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	--
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	--
Di-isobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.0015	0.009	--	0.1
Di-n-pentyl phthalate (DnPP)	ND	ND	ND	ND	ND	0.0015	0.009	--	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.009	--	0.1
Di-cyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.0015	0.009	--	0.1
Diisooctyl phthalate (DIOP)	ND	ND	ND	ND	ND	0.0015	0.009	--	--

Remark : The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking
< = Less
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(1) =	5020038	LACQUER WATER BASE	Refer	BKKH15003996
(2) =	5029037	WATER BASE RED	Refer	BKKH15003889
(3) =	5320019	PRINT INK BLACK	Refer	BKKH15003846
(4) =	5329128	PRINT INK BROWN	Refer	BKKH15003846
(5) =	5293727/5292284	WHITE ELASTIC	Refer	BKKH15005188

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TEST REPORT

Number: BKKH15010832

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result</u> (%, w/w)			<u>LOD</u> (%, w/w)	<u>LOQ</u> (%, w/w)	<u>Limit</u> (%, w/w)	<u>NPR</u> (%, w/w)
	(6)	(7)	(8)				
Dibutyl Phthalate (DBP)	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	0.0015	0.003	0.1	--
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	0.0015	0.009	0.1	--
Di-isobutyl phthalate (DIBP)	ND	ND	ND	0.0015	0.009	--	0.1
Di-n-pentyl phthalate (DnPP)	ND	ND	ND	0.0015	0.009	--	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	ND	0.0015	0.009	--	0.1
Di-cyclohexyl phthalate (DCHP)	ND	ND	ND	0.0015	0.009	--	0.1
Diisooctyl phthalate (DIOP)	ND	ND	ND	0.0015	0.009	--	--

Remark : The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking
< = Less than
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Tested components:

(6) =	5029033	WATER BASE GRAY	Refer	BKKH15006885
(7) =	5029038	WATER BASE BROWN	Refer	BKKH15008387
(8) =	5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

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TEST REPORT

Number: BKKH15010832

Test conducted:

8 Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result</u>					<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	<u>(%, w/w)</u>					<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>(%, w/w)</u>
	(1)	(2)	(3)	(4)	(5)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark :
< = Less than
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Note : The above limit was quoted according to the California Proposition 65

Tested components:

(1) =	5020038	LACQUER WATER BASE	Refer	BKKH15003996
(2) =	5029037	WATER BASE RED	Refer	BKKH15003889
(3) =	5320019	PRINT INK BLACK	Refer	BKKH15003846
(4) =	5329128	PRINT INK BROWN	Refer	BKKH15003846
(5) =	5293727/5292284	WHITE ELASTIC	Refer	BKKH15005188

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TEST REPORT

Number: BKKH15010832

Test conducted:

Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result</u>			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	<u>(%, w/w)</u>			<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>(%, w/w)</u>
	(6)	(7)	(8)			
Dibutyl Phthalate (DBP)	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	0.0015	0.003	0.1

Remark :
< = Less than
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Note : The above limit was quoted according to the California Proposition 65

Tested components:

(6) =	5029033	WATER BASE GRAY	Refer	BKKH15006885
(7) =	5029038	WATER BASE BROWN	Refer	BKKH15008387
(8) =	5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

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TEST REPORT

Number: BKKH15010832

Test conducted:

9 Total Lead (Pb) Content

As per Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (public act 095-1019), acid digestion method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

I Surface coating material

<u>Tested component</u>	<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	<13	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90

Remark: < = Less than
mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Requirement: According to Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (public act 095-019), appropriate warning statement is required when the Lead content of the submitted sample is more than 40 ppm but less than 90 ppm for surface coatings and less than 100 ppm for substrates by total weight or a lower standard for Lead content as may be established by or state law or regulation.

Tested components:

(1) = 5029037	Water Base Red	Refer	BKKH14014774
(2) = 5329128	Print Ink Brown	Refer	BKKH15006378
(3) = 5020038	Lacquer Water Base	Refer	BKKH15006378
(4) = 5320019	Print Ink Black	Refer	BKKH15006801
(5) = 5029033	WATER BASE GRAY	Refer	BKKH15006885
(6) = 5029038	WATER BASE BROWN	Refer	BKKH15011299
(7) = 5140023	SPRAY WATER BASE GRAY	Refer	BKKH15011305

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TEST REPORT

Number: BKKH15010832

Test conducted:

II Non-surface coating material (substrate)

<u>Tested component</u>	<u>Result</u> <u>mg/kg</u>	<u>LOD</u> <u>mg/kg</u>	<u>LOQ</u> <u>mg/kg</u>	<u>Limit</u> <u>mg/kg</u>
(8)	< 13	1	13	100
(9)	ND	1	13	100
(10)	ND	1	13	100
(11)	ND	1	13	100
(12)	ND	1	13	100
(13)	ND	1	13	100
(14)	ND	1	13	100
(15)	<13	1	13	100

Remark: < = Less than
mg/kg = Milligram per kilogram = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)

Requirement: According to Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (public act 095-019), appropriate warning statement is required when the Lead content of the submitted sample is more than 40 ppm but less than 90 ppm for surface coatings and less than 100 ppm for substrates by total weight or a lower standard for Lead content as may be established by federal or state law or regulation.

Tested components:

(8) =	SOLID WOOD	Refer	BKKH14014940
(9) =	5293727/5292284 WHITE ELASTIC	Refer	BKKH15005188
(10) =	5280192 ROPE COTTON BRAID	Refer	BKKH15005729
(11) =	5082041 FELT BROWN	Refer	BKKH15008183
(12) =	5282292 WHITE ROPE	Refer	BKKH15011300
(13) =	5080098 FELT WHITE-CREAM	Refer	BKKH15012015
(14) =	5280123 THREAD SPUN GRAY#1751	Refer	BKKH15012015
(15) =	5283087 THREAD SPUN DARK BROWN	Refer	BKKH15012285

Note: LOD and LOQ value in this test report were effective since October, 2014

*****END*****/KS/ST

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