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TEST REPORT

Number: BKKH15014038

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

Date: Nov 25, 2015

Sample description:

Quantity of sample:	One (1) set
Sample description:	Wooden toy
Date sample received:	November 06, 2015
Date information received:	

Client Information:

One (1) set of submitted sample said to be COAT RACK

Item Name:	COAT RACK
Item Number:	8618



BKKH15014038

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
Laboratory Manager
Hardlines Department

Intertek Testing Services (Thailand) Ltd.

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

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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
excluding requirement of section 5

Result

Pass #

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

Pass #

Heavy Elements Test

Pass

Standard

U.S. Consumer product safety improvement
Act 2008(H.R. 4040) Title I, Section 101

Pass

For total lead content in non-surface coating material (substrate)

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

Comment:

The testing scope of the following standards was not applicable to the submitted sample.

However, the test results of the samples met the related requirements as stated in this report.

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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>		
SOLID WOOD	BKKH15013909	Nov 05, 2015
5080248 COTTON FABRIC WITH THREAD SPUN	BKKH15002068	Feb 16, 2015
5023014 BLUE	BKKH15005736	May 14, 2015
5283079 THREAD SPUN LIGHT BROWN	BKKH15011300	Sep 04, 2015
<u>Lead in substrate</u>		
5330039/5332963/5332026/5330032/5333540/5330002		
Metal Part	BKKH15008164	Jun 26, 2015
SOLID WOOD	BKKH15013909	Nov 05, 2015
5080248 COTTON FABRIC WITH THREAD SPUN	BKKH15002068	Feb 16, 2015
5023014 BLUE	BKKH15005736	May 14, 2016
5283079 THREAD SPUN LIGHT BROWN	BKKH15011300	Sep 04, 2015
<u>Phthalate content</u>		
5023014 BLUE	BKKH15005736	May 14, 2016

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Number: BKKH15014038

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 3 years.

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>
Tip over test		3 times
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 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)	NA
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	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
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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Test conducted:

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	#
6	Instructional literature	NA
7	Producer's markings - name of producer (toy) - address (toy)	Yes No

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.

The producer's name was found on the toy. However as specified in Section 7.1 of U.S. ASTM F963-11, the final product or its packaging must also be marked with the address.

No packaging was submitted for testing. Hence, clause 5 General requirement for Labelling was not assessed.

Testing period : November 06, 2015 to November 11, 2015

2 Flammability Test

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

Results : Did Not Ignite

Testing period : November 06, 2015 to November 11, 2015

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TEST REPORT

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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)			
Sol. Barium (Ba)	ND	ND	ND	6	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble
< = 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	BKKH15013909
(2) =	5080248 COTTON FABRIC WITH THREAD SPUN	Refer	BKKH15002068
(3) =	5023014 BLUE	Refer	BKKH15005736
(4) =	5283079 THREAD SPUN LIGHT BROWN	Refer	BKKH15011300

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-E1001-08.3, CPSC-CH-E1002-08.3 were used and total Lead content was determined by ICP-OES analysis.

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>
(1)	ND	1	13	100
(2)	ND	1	13	100
(3)	ND	1	13	100
(4)	ND	1	13	100
(5)	ND	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:

(1) =	SOLID WOOD	Refer	BKKH15013909
(2) =	5080248 COTTON FABRIC WITH THREAD SPUN	Refer	BKKH15002068
(3) =	5023014 BLUE	Refer	BKKH15005736
(4) =	5283079 THREAD SPUN LIGHT BROWN	Refer	BKKH15011300
(5) =	5330039/5332963/5332026/5330032/5333540/5330002	Refer	BKKH15008164
Metal Part			

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TEST REPORT

Number: BKKH15014038

Test conducted:

- 4 Total Lead (Pb) Content in Substrate Material- Children's Metal 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-E1001-08.3 method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

<u>Tested component</u>	<u>Result</u>	<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	<u>mg/kg</u>	<u>mg/kg</u>	<u>mg/kg</u>	<u>mg/kg</u>
(1)	ND	2	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) = 5330039/5 Metal Part

Refer BKKH15008164

- 5 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>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	<u>mg/kg</u>	<u>mg/kg</u>	<u>mg/kg</u>	<u>mg/kg</u>
(1)	ND	1	13	100
(2)	ND	1	13	100
(3)	ND	1	13	100
(4)	ND	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 BKKH15013909

(2) = 5080248 COTTON FABRIC WITH THREAD SPUN

Refer BKKH15002068

(3) = 5023014 BLUE

Refer BKKH15005736

(4) = 5283079 THREAD SPUN LIGHT BROWN

Refer BKKH15011300

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Test conducted:

6 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)					
Dibutyl Phthalate (DBP)	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	0.0015	0.003	0.1	--
Di-iso-decyl Phthalate (DIDP)	ND	0.0015	0.009	0.1	--
Di-isobutyl phthalate (DIBP)	ND	0.0015	0.009	--	0.1
Di-n-pentyl phthalate (DnPP)	ND	0.0015	0.009	--	0.1
Di-n-hexyl phthalate (DnHP)	ND	0.0015	0.009	--	0.1
Di-cyclohexyl phthalate (DCHP)	ND	0.0015	0.009	--	0.1
Diisooctyl phthalate (DIOP)	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) = 5023014 BLUE

Refer BKKH15005736

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Test conducted:

7 Phthalate content test

By solvent extraction and 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)
(1)				
Dibutyl Phthalate (DBP)	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	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) = 5023014 BLUE

Refer BKKH15005736

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Test conducted:

8 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.

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>
(1)	ND	1	13	100
(2)	ND	1	13	100
(3)	ND	1	13	100
(4)	ND	1	13	100
(5)	ND	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.

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Test conducted:

Tested components:

(1) =	SOLID WOOD	Refer	BKKH15013909
(2) =	5080248 COTTON FABRIC WITH THREAD SPUN	Refer	BKKH15002068
(3) =	5023014 BLUE	Refer	BKKH15005736
(4) =	5283079 THREAD SPUN LIGHT BROWN	Refer	BKKH15011300
(5) =	5330039/5332963/5332026/5330032/5333540/5330002 Metal Part	Refer	BKKH15008164

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

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

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