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Number: BKKH17002804

TEST REPORT

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

Date: May 15, 2017

Sample description:

Quantity of sample:	One (1) set
Sample description:	Wooden toy
Date sample received:	March 01, 2017
Date information received:	May 11, 2017

Client Information:

One (1) set of submitted sample said to be DANCING KANGAROO

Item Name: DANCING KANGAROO
Item Number: 5700



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) Ltd.,
Hardlines Laboratory

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

Conclusion:

Tested samples

Submitted sample

Standard

U.S. ASTM F963-16 for Physical and mechanical tests

Result

Pass

U.S. ASTM F963-16 for Flammability test of materials
other than textile materials

Pass

U.S. ASTM F963-11 and F963-16 for 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

Remark: As requested by the applicant, the test was conducted only on components listed in this report.
Other components were not tested.

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TEST REPORT

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 F963-11: Heavy metal</u>		
Brown Coating On Wood	BKKH16006844	May 17,2016
ORANGE COATING ON WOOD	BKKH16008147	Jun 09,2016
LACQUER COATING ON WOOD	BKKH16008147	Jun 09,2016
BLACK COATING ON WOOD	BKKH16008148	Jun 09,2016
WHITE COATING ON WOOD	BKKH16008148	Jun 09,2016
BLUE COATING ON WOOD	BKKH16008768	Jun 21,2016
YELLOW COATING ON WOOD	BKKH16008768	Jun 21,2016
GRAY O RING	BKKH16014684	Oct 13,2016
ROPE COTTON	BKKH16016708	Nov 29,2016
Solid Wood	BKKH17000142	Jan 10,2017
<u>ASTM F963-16: Heavy metal</u>		
Brown Plastic	BKKH17003197	Mar 13,2017
ORANGE RUBBER	BKKH17003196	Mar 13,2017
<u>Lead in surface coating</u>		
Brown Coating On Wood	BKKH16006844	May 17,2016
ORANGE COATING ON WOOD	BKKH16008147	Jun 09,2016
LACQUER COATING ON WOOD	BKKH16008147	Jun 09,2016
BLACK COATING ON WOOD	BKKH16008148	Jun 09,2016
WHITE COATING ON WOOD	BKKH16008148	Jun 09,2016
BLUE COATING ON WOOD	BKKH16008768	Jun 21,2016
YELLOW COATING ON WOOD	BKKH16008768	Jun 21,2016
<u>Lead in substrate</u>		
GRAY O RING	BKKH16014684	Oct 13,2016
ROPE COTTON	BKKH16016708	Nov 29,2016
Brown Plastic	BKKH17003197	Mar 13,2017
Solid Wood	BKKH17000142	Jan 10,2017
ORANGE RUBBER	BKKH17003196	Mar 13,2017
<u>Phthalate content</u>		
ORANGE COATING ON WOOD	BKKH16008147	Jun 09,2016
LACQUER COATING ON WOOD	BKKH16008147	Jun 09,2016
BLUE COATING ON WOOD	BKKH16008768	Jun 21,2016
YELLOW COATING ON WOOD	BKKH16008768	Jun 21,2016
GRAY O RING	BKKH16014684	Oct 13,2016
BROWN PLASTIC	BKKH17003197	Mar 13,2017
ORANGE RUBBER	BKKH17003196	Mar 13,2017

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TEST REPORT

Test conducted:

1 Physical And Mechanical Tests[▲]

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-16.

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 : -

Test	FHSA	Parameter
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

Clause	Testing items	Assessment
4.1	Material quality	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	Plastic 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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TEST REPORT

Test conducted:

Clause	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
4.40	Expanding materials	NA
4.41	Toy chests	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

▲ = Tested items are not included in the TISI Accreditation

The submitted samples were undergone the tests in accordance with clause 8.5 through clause 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 : March 01, 2017 to March 06, 2017

2 Flammability Test

Test Standard : Clause 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-16.

Sample	Ignition point	Burn length (inch)	Time (sec)	Actual burn rate (inch/sec)	Rounded burn rate (inch/sec)	Limit (inch/sec)
Leg	End to end	3.4	48	0.07	-	0.10

The above result only showed the most severe burn rate of the samples and components.

Remark: ▲ = Tested items are not included in the TISI Accreditation

Testing period : March 01, 2017 to March 06, 2017

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TEST REPORT

Test conducted:

3 Heavy Elements Analysis

As per clause 4.3.5.1(2) 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 mg/kg</u>
	(1)	(2)	(3)	(4)	(5)			
Sol. Barium (Ba)	239	ND	ND	ND	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble
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) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(3) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(4) =	BLACK COATING ON WOOD	Refer	BKKH16008148
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148

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

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Number: BKKH17002804

TEST REPORT

Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.1(2) 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>LOD</u>	<u>LOQ</u>	<u>Limit mg/kg</u>
	<u>mg/kg</u>		<u>mg/kg</u>	<u>mg/kg</u>	
	(6)	(7)			
Sol. Barium (Ba)	<4	<4	1	5	1000
Sol. Lead (Pb)	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	<4	1	5	75
Sol. Antimony (Sb)	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	2	5	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:

(6) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768

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

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TEST REPORT

Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11 and F963-16[▲], acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result mg/kg			LOD mg/kg	LOQ mg/kg	Limit mg/kg
	(8)	(9)	(10)	(11)	(12)			
Sol. Barium (Ba)	ND	ND	ND	ND	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble
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 items are not included in the TISI Accreditation

Tested components:

(8) =	GRAY O RING	Refer	BKKH16014684
(9) =	ROPE COTTON	Refer	BKKH16016708
(10) =	Brown Plastic	Refer	BKKH17003197
(11) =	Solid Wood	Refer	BKKH17000142
(12) =	ORANGE RUBBER	Refer	BKKH17003196

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 clause 4.3.5.1(1) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1003-09.1:2011 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)	ND	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90

Remark: 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) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(3) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(4) =	BLACK COATING ON WOOD	Refer	BKKH16008148
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(6) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768

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TEST REPORT

Test conducted:

Total Lead (Pb) Content[▲]

As per clause 4.3.5.2(2)(a) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.3:2012, CPSC-CH-E1002-08.3:2012 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)	ND	1	13	100
(9)	ND	1	13	100
(10)	ND	1	13	100
(11)	ND	1	13	100
(12)	ND	1	13	100

Remark: 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 items are not included in the TISI Accreditation

Tested components:

(8) =	GRAY O RING	Refer	BKKH16014684
(9) =	ROPE COTTON	Refer	BKKH16016708
(10) =	Brown Plastic	Refer	BKKH17003197
(11) =	Solid Wood	Refer	BKKH17000142
(12) =	ORANGE RUBBER	Refer	BKKH17003196

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TEST REPORT

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)	ND	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
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)
▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
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(6) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768

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TEST REPORT

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-E1003-09.1:2011 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 mg/kg</u>
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90

Remark: 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) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(3) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(4) =	BLACK COATING ON WOOD	Refer	BKKH16008148
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(6) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768

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TEST REPORT

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-E1002-08.3:2012 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 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: mg/kg = Milligram per kilogram = ppm = Parts per million
LOD = Limit of Detection
LOQ = Limit of Quantitation
ND = Not detected (Less than LOD)
[▲] = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	GRAY O RING	Refer	BKKH16014684
(2) =	ROPE COTTON	Refer	BKKH16016708
(3) =	Brown Plastic	Refer	BKKH17003197
(4) =	Solid Wood	Refer	BKKH17000142
(5) =	ORANGE RUBBER	Refer	BKKH17003196

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TEST REPORT

Test conducted:

7 Phthalate content

As per CPSC-CH-C1001-09.3:2010 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	0.0226	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

%, w/w = Percentage weight by weight

LOD = Limit of Detection

LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(2) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(3) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(4) =	YELLOW COATING ON WOOD	Refer	BKKH16008768
(5) =	GRAY O RING	Refer	BKKH16014684

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Number: BKKH17002804

TEST REPORT

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3:2010 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)				
Dibutyl Phthalate (DBP)	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	0.029	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	0.0015	0.003	0.1	--
Di-iso-decyl Phthalate (DIDP)	ND	ND	0.0015	0.009	0.1	--
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	0.0015	0.009	--	0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	0.0015	0.009	--	0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	0.0015	0.009	--	0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	0.0015	0.009	--	0.1
Diisooctyl phthalate (DIOP) [▲]	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

%, w/w = Percentage weight by weight

LOD = Limit of Detection

LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(6) = BROWN PLASTIC
(7) = ORANGE RUBBER

Refer BKKH17003197
Refer BKKH17003196

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Number: BKKH17002804

TEST REPORT

Test conducted:

8 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)	(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	0.0226	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 : %, w/w = Percentage weight by weight

LOD = Limit of Detection

LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

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

Tested components:

(1) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(2) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(3) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(4) =	YELLOW COATING ON WOOD	Refer	BKKH16008768
(5) =	GRAY O RING	Refer	BKKH16014684

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Number: BKKH17002804

TEST REPORT

Test conducted:

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)
	(6)	(7)			
Dibutyl Phthalate (DBP)	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	0.029	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	0.0015	0.003	0.1

Remark : %, w/w = Percentage weight by weight

 LOD = Limit of Detection

 LOQ = Limit of Quantitation

 ND = Not detected (Less than LOD)

 ▲ = Tested items are not included in the TISI Accreditation

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

Tested components:

(6) = BROWN PLASTIC
(7) = ORANGE RUBBER

Refer BKKH17003197
Refer BKKH17003196

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Number: BKKH17002804

TEST REPORT

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)	ND	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 items are not included in the TISI Accreditation
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:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(3) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(4) =	BLACK COATING ON WOOD	Refer	BKKH16008148
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(6) =	BLUE COATING ON WOOD	Refer	BKKH16008768
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768

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Number: BKKH17002804

TEST REPORT

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)	ND	1	13	100
(9)	ND	1	13	100
(10)	ND	1	13	100
(11)	ND	1	13	100
(12)	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)

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) =	GRAY O RING	Refer	BKKH16014684
(9) =	ROPE COTTON	Refer	BKKH16016708
(10) =	Brown Plastic	Refer	BKKH17003197
(11) =	Solid Wood	Refer	BKKH17000142
(12) =	ORANGE RUBBER	Refer	BKKH17003196

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

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

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