

## TEST REPORT

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The results relate only to the item tested.

Number: BKKH18013405

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

Date: Jan 21, 2019

### Sample description:

Quantity of sample: One (1) set  
Sample description: Wooden toy  
Date sample received: October 03, 2018  
Date information received: January 17, 2019

### Client Information:

One (1) set of submitted sample said to be DOLL FAMILY

Item Name: DOLL FAMILY  
Item Number: 7142



### Test conducted:

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

To be continued

For and on behalf of :  
Intertek Testing Services (Thailand) Ltd.,  
Hardlines Laboratory

*Ladtaka*

Ladtaka Wongwiboonporn  
Laboratory Manager  
Hardlines Department

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### Conclusion:

#### Tested samples

Submitted sample

#### Standard

U.S. ASTM F963-17 for Physical and mechanical tests

#### Result

Pass

U.S. ASTM F963-17 for Flammability test of materials  
other than textile materials

Pass

U.S. ASTM F963-16 and ASTM F963-17  
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

US 16 CFR Part 1307 for Prohibition of Children's Toys  
and Child Care Articles Containing Specified 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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**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 F963-16: Heavy metal</u>		
GRAY COATING ON WOOD	BKKH18012544	Sep 26, 2018
BLUE COATING ON WOOD (320C)	BKKH18008773	Jul 12, 2018
WHITE COATING ON WOOD	BKKH18008771	Jul 12, 2018
BROWN COATING ON WOOD	BKKH18008771	Jul 12, 2018
PINK FABRIC	BKKH18011516	Aug 30, 2018
WHITE FABRIC WITH MULTICOLOR PRINT	BKKH18011944S1	Oct 01, 2018
KHAKI FABRIC	BKKH18011514	Sep 04, 2018
OFF-WHITE FABRIC	BKKH18011516	Aug 30, 2018
DENIM	BKKH18011516	Aug 30, 2018
RED YARN	BKKH18011514	Sep 04, 2018
LIGHT BROWN YARN	BKKH18011945	Sep 25, 2018
<u>ASTM F963-17: Heavy metal</u>		
GREEN FABRIC	BKKH19000004	Jan 04, 2019
DARK BROWN YARN	BKKH18016418	Dec 20, 2018
BLACK COATING ON WOOD	BKKH18016831	Dec 25, 2018
<u>Lead in surface coating</u>		
GRAY COATING ON WOOD	BKKH18012544	Sep 26, 2018
BLUE COATING ON WOOD (320C)	BKKH18008773	Jul 12, 2018
WHITE COATING ON WOOD	BKKH18008771	Jul 12, 2018
BLACK COATING ON WOOD	BKKH18016831	Dec 25, 2018
BROWN COATING ON WOOD	BKKH18008771	Jul 12, 2018
<u>Lead in substrate</u>		
PINK FABRIC	BKKH18011516	Aug 30, 2018
WHITE FABRIC WITH MULTICOLOR PRINT	BKKH18011944S1	Oct 01, 2018
GREEN FABRIC	BKKH19000004	Jan 04, 2019
KHAKI FABRIC	BKKH18011514	Sep 04, 2018
OFF-WHITE FABRIC	BKKH18011516	Aug 30, 2018
DENIM	BKKH18011516	Aug 30, 2018
RED YARN	BKKH18011514	Sep 04, 2018
LIGHT BROWN YARN	BKKH18011945	Sep 25, 2018
DARK BROWN YARN	BKKH18016418	Dec 20, 2018
<u>Phthalate content</u>		
GRAY COATING ON WOOD	BKKH18012544	Sep 26, 2018
BLUE COATING ON WOOD (320C)	BKKH18008773	Jul 12, 2018
WHITE COATING ON WOOD	BKKH18008771	Jul 12, 2018
BLACK COATING ON WOOD	BKKH18016831	Dec 25, 2018
BROWN COATING ON WOOD	BKKH18008771	Jul 12, 2018

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Number: BKKH18013405

Test conducted:

1 Physical And Mechanical Tests ▲

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

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 : -

Test	FHSA	Parameter
Drop test	Section 1500.53(b)	4 x 3.0 ft
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
Flexure test	Section 1500.53(d)	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)	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	P
4.11	Nails and fasteners	P
4.12	Plastic 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:

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 : October 16, 2018 to October 31, 2018

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Number: BKKH18013405

Test conducted:

### 2 Flammability Test<sup>▲</sup>

Test Standard : Clause 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

<u>Sample</u>	<u>Ignition point</u>	<u>Burn length</u> (inch)	<u>Time</u> (sec)	<u>Actual</u> <u>burn rate</u> (inch/sec)	<u>Rounded burn</u> <u>rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Mother	Leg to head	2.6	60	0.04	-	0.10

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

▲ = Tested items are not included in the TISI Accreditation

Testing period : October 16, 2018 to October 31, 2018

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Number: BKKH18013405

Test conducted:

### 3 Heavy Elements Analysis

As per clause 4.3.5.1(2) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16 and F963-17<sup>▲</sup>, 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)	412	<5	10	<5	572	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  
ND = Not detected (Less than LOD)  
▲ = Tested items are not included in the TISI Accreditation  
LOQ = Limit of Quantitation  
< = Less than

Tested components:

(1) = GRAY COATING ON WOOD	Refer	BKKH18012544
(2) = BLUE COATING ON WOOD (320C)	Refer	BKKH18008773
(3) = WHITE COATING ON WOOD	Refer	BKKH18008771
(4) = BLACK COATING ON WOOD	Refer	BKKH18016831
(5) = BROWN COATING ON WOOD	Refer	BKKH18008771

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

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Number: BKKH18013405

Test conducted:

### Heavy Elements Analysis

As per clause 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16 and F963-17<sup>▲</sup>, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

	(6)	(7)	Result mg/kg (8)	(9)	(10)	LOD mg/kg	LOQ mg/kg	Limit mg/kg
Sol. Barium (Ba)	ND	<5	<5	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)	<5	ND	ND	<5	<5	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)  
< = Less than  
▲ = Tested items are not included in the TISI Accreditation

Tested components:

- (6) = PINK FABRIC
- (7) = WHITE FABRIC WITH MULTICOLOR PRINT
- (8) = GREEN FABRIC
- (9) = KHAKI FABRIC
- (10) = OFF-WHITE FABRIC

Refer BKKH18011516  
Refer BKKH18011944S1  
Refer BKKH19000004  
Refer BKKH18011514  
Refer BKKH18011516

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

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Number: BKKH18013405

Test conducted:

### Heavy Elements Analysis

As per clause 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16 and F963-17<sup>▲</sup>, 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>
	(11)	(12)	(13)	(14)			
Sol. Barium (Ba)	ND	ND	ND	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	<5	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	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)  
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Tested components:

(11) = DENIM	Refer	BKKH18011516
(12) = RED YARN	Refer	BKKH18011514
(13) = LIGHT BROWN YARN	Refer	BKKH18011945
(14) = DARK BROWN YARN	Refer	BKKH18016418

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

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Number: BKKH18013405

Test conducted:

### Total Lead (Pb) Content

As per clause 4.3.5.1(1) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16 and F963-17<sup>▲</sup>, 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)	<13	2	13	90
(4)	ND	2	13	90
(5)	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) < = Less than  
 ▲ = Tested items are not included in the TISI Accreditation

#### Tested components:

(1) = GRAY COATING ON WOOD	Refer BKKH18012544
(2) = BLUE COATING ON WOOD (320C)	Refer BKKH18008773
(3) = WHITE COATING ON WOOD	Refer BKKH18008771
(4) = BLACK COATING ON WOOD	Refer BKKH18016831
(5) = BROWN COATING ON WOOD	Refer BKKH18008771

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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 F963-16 and F963-17<sup>▲</sup>, 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>
(6)	ND	1	13	100
(7)	ND	1	13	100
(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
(13)	ND	1	13	100
(14)	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:

(6) = PINK FABRIC	Refer BKKH18011516
(7) = WHITE FABRIC WITH MULTICOLOR PRINT	Refer BKKH18011944S1
(8) = GREEN FABRIC	Refer BKKH19000004
(9) = KHAKI FABRIC	Refer BKKH18011514
(10) = OFF-WHITE FABRIC	Refer BKKH18011516
(11) = DENIM	Refer BKKH18011516
(12) = RED YARN	Refer BKKH18011514
(13) = LIGHT BROWN YARN	Refer BKKH18011945
(14) = DARK BROWN YARN	Refer BKKH18016418

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Test conducted:

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.<sup>2</sup>

<u>Tested component</u>	<u>Result %</u>	<u>LOD %</u>	<u>LOQ %</u>	<u>Limit %</u>
(1)	ND	0.0002	0.0013	0.0090
(2)	ND	0.0002	0.0013	0.0090
(3)	<0.0013	0.0002	0.0013	0.0090
(4)	ND	0.0002	0.0013	0.0090
(5)	ND	0.0002	0.0013	0.0090

Remark:	% =	percentage	< =	Less than
	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 COATING ON WOOD	Refer	BKKH18012544
(2) =	BLUE COATING ON WOOD (320C)	Refer	BKKH18008773
(3) =	WHITE COATING ON WOOD	Refer	BKKH18008771
(4) =	BLACK COATING ON WOOD	Refer	BKKH18016831
(5) =	BROWN COATING ON WOOD	Refer	BKKH18008771

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.

Tested component	Result	LOD	LOQ	Limit mg/kg
	mg/kg	mg/kg	mg/kg	
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	<13	2	13	90
(4)	ND	2	13	90
(5)	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) < = Less than

Tested components:

(1) =	GRAY COATING ON WOOD	Refer	BKKH18012544
(2) =	BLUE COATING ON WOOD (320C)	Refer	BKKH18008773
(3) =	WHITE COATING ON WOOD	Refer	BKKH18008771
(4) =	BLACK COATING ON WOOD	Refer	BKKH18016831
(5) =	BROWN COATING ON WOOD	Refer	BKKH18008771

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Number: BKKH18013405

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
(6)	ND	1	13	100
(7)	ND	1	13	100
(8)	ND	1	13	100
(9)	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 components:

(1) = PINK FABRIC	Refer BKKH18011516
(2) = WHITE FABRIC WITH MULTICOLOR PRINT	Refer BKKH18011944S1
(3) = GREEN FABRIC	Refer BKKH19000004
(4) = KHAKI FABRIC	Refer BKKH18011514
(5) = OFF-WHITE FABRIC	Refer BKKH18011516
(6) = DENIM	Refer BKKH18011516
(7) = RED YARN	Refer BKKH18011514
(8) = LIGHT BROWN YARN	Refer BKKH18011945
(9) = DARK BROWN YARN	Refer BKKH18016418

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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>(16CFR1307)</u> Limit (%, w/w)	<u>NPR</u> (%, w/w)
	(1)	(2)	(3)	(4)	(5)				
Dibutyl Phthalate (DBP)	0.0035	ND	ND	0.005	ND	0.0015	0.0030	0.1	0.1
Di(2-ethylhexyl) phthalate (DEHP)	0.0031	ND	ND	ND	ND	0.0015	0.0030	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.0090	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.0030	--	--
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.0090	--	--
Di-isobutyl phthalate (DIBP)▲	<0.0030	ND	ND	0.0047	ND	0.0015	0.0030	0.1	0.1
Di-n-pentyl phthalate (DPENP)▲	ND	ND	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-n-hexyl phthalate (DHEXP)▲	ND	ND	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-cyclohexyl phthalate (DCHP)▲	ND	ND	ND	ND	ND	0.0015	0.0030	0.1	0.1
Diisooctyl phthalate (DIOP)▲	ND	ND	ND	ND	ND	0.0015	0.0090	--	--

Remark : The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates except the Phthalate no.5-6,11 was conducted as per applicant requested only.

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) = GRAY COATING ON WOOD	Refer	BKKH18012544
(2) = BLUE COATING ON WOOD (320C)	Refer	BKKH18008773
(3) = WHITE COATING ON WOOD	Refer	BKKH18008771
(4) = BLACK COATING ON WOOD	Refer	BKKH18016831
(5) = BROWN COATING ON WOOD	Refer	BKKH18008771

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Number: BKKH18013405

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)	0.0035	ND	ND	0.005	ND	0.0015	0.0030	0.1
Di(2-ethylhexyl) phthalate (DEHP)	0.0031	ND	ND	ND	ND	0.0015	0.0030	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.0030	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.0090	0.1
Di-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.0030	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.0090	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.0030	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) = GRAY COATING ON WOOD	Refer	BKKH18012544
(2) = BLUE COATING ON WOOD (320C)	Refer	BKKH18008773
(3) = WHITE COATING ON WOOD	Refer	BKKH18008771
(4) = BLACK COATING ON WOOD	Refer	BKKH18016831
(5) = BROWN COATING ON WOOD	Refer	BKKH18008771

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## TEST REPORT

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The results relate only to the item tested.

Number: BKKH18013405

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>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	90
(2)	ND	2	13	90
(3)	<13	2	13	90
(4)	ND	2	13	90
(5)	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) = GRAY COATING ON WOOD	Refer	BKKH18012544
(2) = BLUE COATING ON WOOD (320C)	Refer	BKKH18008773
(3) = WHITE COATING ON WOOD	Refer	BKKH18008771
(4) = BLACK COATING ON WOOD	Refer	BKKH18016831
(5) = BROWN COATING ON WOOD	Refer	BKKH18008771

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## TEST REPORT

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Number: BKKH18013405

Test conducted:

II Non-surface coating material (substrate)

<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>
(6)	ND	1	13	100
(7)	ND	1	13	100
(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
(13)	ND	1	13	100
(14)	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)

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 REPORT

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The results relate only to the item tested.

Number: BKKH18013405

Test conducted:

Tested components:

- (6) = PINK FABRIC
- (7) = WHITE FABRIC WITH MULTICOLOR PRINT
- (8) = GREEN FABRIC
- (9) = KHAKI FABRIC
- (10) = OFF-WHITE FABRIC
- (11) = DENIM
- (12) = RED YARN
- (13) = LIGHT BROWN YARN
- (14) = DARK BROWN YARN

Refer BKKH18011516  
Refer BKKH18011944S1  
Refer BKKH19000004  
Refer BKKH18011514  
Refer BKKH18011516  
Refer BKKH18011516  
Refer BKKH18011514  
Refer BKKH18011945  
Refer BKKH18016418

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

\*\*\*\*\*END\*\*\*\*\*/KS/NK

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