

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

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

Date: Dec 28, 2018

### Sample description:

Quantity of sample:	One (1) set
Sample description:	Wooden toy
Date sample received:	November 12, 2018
Date information received:	December 26, 2018
Date sample resubmitted:	December 20, 2018

### Client Information:

One (1) set of submitted sample said to be FIRE STATION

Item Name: FIRE STATION  
Item Number: 6272



BKKH18015261

\*\*\*\*\*

### 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 Wongwiboonporn*

Ladtaka Wongwiboonporn  
Laboratory Manager  
Hardlines Department

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

### Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	U.S. ASTM F963-17 for Physical and mechanical tests	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
	<u>Standard - U.S. CFR title 16</u> (CPSC regulations) Part 1303 total Lead content	Pass
	<u>Standard</u> 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.

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

**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>		
WHITE COATING ON WOOD	BKKH18008771	Jul 12, 2018
RED COATING ON WOOD	BKKH18008770	Jul 12, 2018
ORANGE COATING ON WOOD	BKKH18010022	Aug 03, 2018
LACQUER COATING ON WOOD	BKKH18008771	Jul 12, 2018
YELLOW COATING ON WOOD	BKKH18008771	Jul 12, 2018
BROWN COATING ON WOOD	BKKH18008771	Jul 12, 2018
YELLOW COATING ON WOOD	BKKH18008773	Jul 12, 2018
CREAM PLASTIC JOINT	BKKH18011943S1	Oct 12, 2018
CREAM COTTON CORD	BKKH18008762	Jul 11, 2018
BLACK SAWDUST	BKKH18011941S1	Oct 30, 2018
<u>ASTM F963-17: Heavy metal</u>		
BLACK COATING ON WOOD	BKKH18016831	Dec 25, 2018
DARK GRAY COATING ON WOOD	BKKH18016831	Dec 25, 2018
BLACK ELASTIC	BKKH18016414	Dec 20, 2018
RED SAWDUST	BKKH18016827	Dec 25, 2018
<u>Lead in surface coating</u>		
WHITE COATING ON WOOD	BKKH18008771	Jul 12, 2018
RED COATING ON WOOD	BKKH18008770	Jul 12, 2018
ORANGE COATING ON WOOD	BKKH18010022	Aug 03, 2018
LACQUER COATING ON WOOD	BKKH18008771	Jul 12, 2018
YELLOW COATING ON WOOD	BKKH18008771	Jul 12, 2018
BLACK COATING ON WOOD	BKKH18016831	Dec 25, 2018
DARK GRAY COATING ON WOOD	BKKH18016831	Dec 25, 2018
BROWN COATING ON WOOD	BKKH18008771	Jul 12, 2018
YELLOW COATING ON WOOD	BKKH18008773	Jul 12, 2018
<u>Lead in substrate</u>		
CREAM PLASTIC JOINT	BKKH18011943	Sep 18, 2018
CREAM COTTON CORD	BKKH18008762	Jul 11, 2018
BLACK ELASTIC	BKKH18016414	Dec 20, 2018
RED SAWDUST	BKKH18016827	Dec 25, 2018
BLACK SAWDUST	BKKH18011941S1	Oct 30, 2018
BLACK SCREW	BKKH18016823	Dec 25, 2018
SILVER BELL	BKKH18016686	Dec 24, 2018

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

**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>Phthalate content</u>		
WHITE COATING ON WOOD	BKKH18008771	Jul 12, 2018
RED COATING ON WOOD	BKKH18008770	Jul 12, 2018
ORANGE COATING ON WOOD	BKKH18010022	Aug 03, 2018
LACQUER COATING ON WOOD	BKKH18008771	Jul 12, 2018
CREAM PLASTIC JOINT	BKKH18011943S1	Oct 12, 2018
BLACK ELASTIC	BKKH18016414	Dec 20, 2018
YELLOW COATING ON WOOD	BKKH18008771	Jul 12, 2018
BLACK COATING ON WOOD	BKKH18016831	Dec 25, 2018
DARK GRAY COATING ON WOOD	BKKH18016831	Dec 25, 2018
BROWN COATING ON WOOD	BKKH18008771	Jul 12, 2018
YELLOW COATING ON WOOD	BKKH18008773	Jul 12, 2018
RED SAWDUST	BKKH18016827	Dec 25, 2018
BLACK SAWDUST	BKKH18012706	Sep 24, 2018

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

Test conducted:

### 1 Physical And Mechanical Tests<sup>▲</sup>

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 : -

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Drop test	Section 1500.53(b)	4 x 3.0 ft
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>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
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)	P
4.7	Accessible edges	P
4.8	Projections	P
4.9	Accessible points	P
4.10	Wires or rods	NA
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

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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)	Yes
	- address (package)	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 : November 12, 2018 to December 21, 2018

### 2 Flammability Test▲

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

Results : Did not ignite

▲ = Tested items are not included in the TISI Accreditation

Testing period : November 12, 2018 to December 13, 2018

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

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, 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)	10	604	ND	<5	<5	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	<5	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) < = Less than

Tested components:

(1) = WHITE COATING ON WOOD	Refer	BKKH18008771
(2) = RED COATING ON WOOD	Refer	BKKH18008770
(3) = ORANGE COATING ON WOOD	Refer	BKKH18010022
(4) = LACQUER COATING ON WOOD	Refer	BKKH18008771
(5) = YELLOW COATING ON WOOD	Refer	BKKH18008771

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

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

Test conducted:

### 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>
	(6)	(7)	(8)	(9)			
Sol. Barium (Ba)	<5	38	572	5	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	<5	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	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) < = Less than  
▲ = Tested items are not included in the TISI Accreditation

### Tested components:

(6) =	BLACK COATING ON WOOD	Refer	BKKH18016831
(7) =	DARK GRAY COATING ON WOOD	Refer	BKKH18016831
(8) =	BROWN COATING ON WOOD	Refer	BKKH18008771
(9) =	YELLOW COATING ON WOOD	Refer	BKKH18008773

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

\*\*\*\*\*



## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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>
	(10)	(11)	(12)	(13)	(14)			
Sol. Barium (Ba)	ND	ND	ND	ND	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	<6	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)  
< = Less than  
▲ = Tested items are not included in the TISI Accreditation

Tested components:

(10) = CREAM PLASTIC JOINT	Refer	BKKH18011943S1
(11) = CREAM COTTON CORD	Refer	BKKH18008762
(12) = BLACK ELASTIC	Refer	BKKH18016414
(13) = RED SAWDUST	Refer	BKKH18016827
(14) = BLACK SAWDUST	Refer	BKKH18011941S1

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

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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)	<13	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	<13	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90
(8)	ND	2	13	90
(9)	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  
<sup>▲</sup> = Tested items are not included in the TISI Accreditation

#### Tested components:

(1) = WHITE COATING ON WOOD	Refer BKKH18008771
(2) = RED COATING ON WOOD	Refer BKKH18008770
(3) = ORANGE COATING ON WOOD	Refer BKKH18010022
(4) = LACQUER COATING ON WOOD	Refer BKKH18008771
(5) = YELLOW COATING ON WOOD	Refer BKKH18008771
(6) = BLACK COATING ON WOOD	Refer BKKH18016831
(7) = DARK GRAY COATING ON WOOD	Refer BKKH18016831
(8) = BROWN COATING ON WOOD	Refer BKKH18008771
(9) = YELLOW COATING ON WOOD	Refer BKKH18008773

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

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>
(10)	ND	1	13	100
(11)	ND	1	13	100
(12)	ND	1	13	100
(13)	<13	1	13	100
(14)	ND	1	13	100
(15)	ND	2	13	100
(16)	ND	2	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) < = Less than  
 ▲ = Tested items are not included in the TISI Accreditation

### Tested components:

(10) = CREAM PLASTIC JOINT	Refer BKKH18011943S1
(11) = CREAM COTTON CORD	Refer BKKH18008762
(12) = BLACK ELASTIC	Refer BKKH18016414
(13) = RED SAWDUST	Refer BKKH18016827
(14) = BLACK SAWDUST	Refer BKKH18011941S1
(15) = BLACK SCREW	Refer BKKH18016823
(16) = SILVER BELL	Refer BKKH18016686

\*\*\*\*\*

Test conducted:

4 Total Lead (Pb) content<sup>▲</sup>

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)	<0.0013	0.0002	0.0013	0.0090
(2)	ND	0.0002	0.0013	0.0090
(3)	ND	0.0002	0.0013	0.0090
(4)	ND	0.0002	0.0013	0.0090
(5)	<0.0013	0.0002	0.0013	0.0090
(6)	ND	0.0002	0.0013	0.0090
(7)	ND	0.0002	0.0013	0.0090
(8)	ND	0.0002	0.0013	0.0090
(9)	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) =	WHITE COATING ON WOOD	Refer	BKKH18008771
(2) =	RED COATING ON WOOD	Refer	BKKH18008770
(3) =	ORANGE COATING ON WOOD	Refer	BKKH18010022
(4) =	LACQUER COATING ON WOOD	Refer	BKKH18008771
(5) =	YELLOW COATING ON WOOD	Refer	BKKH18008771
(6) =	BLACK COATING ON WOOD	Refer	BKKH18016831
(7) =	DARK GRAY COATING ON WOOD	Refer	BKKH18016831
(8) =	BROWN COATING ON WOOD	Refer	BKKH18008771
(9) =	YELLOW COATING ON WOOD	Refer	BKKH18008773

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

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)	<13	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	<13	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90
(8)	ND	2	13	90
(9)	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) = WHITE COATING ON WOOD	Refer BKKH18008771
(2) = RED COATING ON WOOD	Refer BKKH18008770
(3) = ORANGE COATING ON WOOD	Refer BKKH18010022
(4) = LACQUER COATING ON WOOD	Refer BKKH18008771
(5) = YELLOW COATING ON WOOD	Refer BKKH18008771
(6) = BLACK COATING ON WOOD	Refer BKKH18016831
(7) = DARK GRAY COATING ON WOOD	Refer BKKH18016831
(8) = BROWN COATING ON WOOD	Refer BKKH18008771
(9) = YELLOW COATING ON WOOD	Refer BKKH18008773

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

Test conducted:

### 6 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-E1001-08.3:2012 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	2	13	100
(2)	ND	2	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) = BLACK SCREW Refer BKKH18016823  
 (2) = SILVER BELL Refer BKKH18016686

### 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>
(3)	ND	1	13	100
(4)	ND	1	13	100
(5)	ND	1	13	100
(6)	<13	1	13	100
(7)	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) < = Less than

Tested components:

(3) = CREAM PLASTIC JOINT Refer BKKH18011943S1  
 (4) = CREAM COTTON CORD Refer BKKH18008762  
 (5) = BLACK ELASTIC Refer BKKH18016414  
 (6) = RED SAWDUST Refer BKKH18016827  
 (7) = BLACK SAWDUST Refer BKKH18011941S1

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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.☐

	Result					LOD	LOQ	(16CFR1307)	NPR
	(% w/w)					(% w/w)	(% w/w)	Limit (% w/w)	(% w/w)
	(1)	(2)	(3)	(4)	(5)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di(2-ethylhexyl) phthalate (DEHP)	ND	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)▲	ND	ND	ND	ND	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) = WHITE COATING ON WOOD	Refer	BKKH18008771
(2) = RED COATING ON WOOD	Refer	BKKH18008770
(3) = ORANGE COATING ON WOOD	Refer	BKKH18010022
(4) = LACQUER COATING ON WOOD	Refer	BKKH18008771
(5) = CREAM PLASTIC JOINT	Refer	BKKH18011943S1

\*\*\*\*\*



## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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>(16CFR1307)</u> Limit (%, w/w)	<u>NPR</u> (%, w/w)
	(6)	(7)	(8)	(9)	(10)				
Dibutyl Phthalate (DBP)	ND	ND	0.005	ND	ND	0.0015	0.0030	0.1	0.1
Di(2-ethylhexyl) phthalate (DEHP)	ND	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)▲	ND	ND	0.0047	ND	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:

(6) = BLACK ELASTIC	Refer	BKKH18016414
(7) = YELLOW COATING ON WOOD	Refer	BKKH18008771
(8) = BLACK COATING ON WOOD	Refer	BKKH18016831
(9) = DARK GRAY COATING ON WOOD	Refer	BKKH18016831
(10) = BROWN COATING ON WOOD	Refer	BKKH18008771

\*\*\*\*\*



## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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>(16CFR1307)</u> Limit (%, w/w)	<u>NPR</u> (%, w/w)
	(11)	(12)	(13)				
Dibutyl Phthalate (DBP)	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	0.0015	0.0030	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	0.0015	0.0090	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	0.0015	0.0030	--	--
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	0.0015	0.0090	--	--
Di-isobutyl phthalate (DIBP)▲	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-n-pentyl phthalate (DPENP)▲	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-n-hexyl phthalate (DHEXP)▲	ND	ND	ND	0.0015	0.0030	0.1	0.1
Di-cyclohexyl phthalate (DCHP)▲	ND	ND	ND	0.0015	0.0030	0.1	0.1
Diisooctyl phthalate (DIOP)▲	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:

(11) = YELLOW COATING ON WOOD  
(12) = RED SAWDUST  
(13) = BLACK SAWDUST

Refer BKKH18008773  
Refer BKKH18016827  
Refer BKKH18012706

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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	0.0030	0.1
Di(2-ethylhexyl) phthalate (DEHP)	ND	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
Dioctyl 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) =	WHITE COATING ON WOOD	Refer	BKKH18008771
(2) =	RED COATING ON WOOD	Refer	BKKH18008770
(3) =	ORANGE COATING ON WOOD	Refer	BKKH18010022
(4) =	LACQUER COATING ON WOOD	Refer	BKKH18008771
(5) =	CREAM PLASTIC JOINT	Refer	BKKH18011943S1

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

Test conducted:

### Phthalate content test<sup>▲</sup>

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)	(8)	(9)	(10)			
Dibutyl Phthalate (DBP)	ND	ND	0.005	ND	ND	0.0015	0.0030	0.1
Di(2-ethylhexyl) phthalate (DEHP)	ND	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
Dioctyl 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:

(6) =	BLACK ELASTIC	Refer	BKKH18016414
(7) =	YELLOW COATING ON WOOD	Refer	BKKH18008771
(8) =	BLACK COATING ON WOOD	Refer	BKKH18016831
(9) =	DARK GRAY COATING ON WOOD	Refer	BKKH18016831
(10) =	BROWN COATING ON WOOD	Refer	BKKH18008771

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek  
The results relate only to the item tested.

Number: BKKH18015261

Test conducted:

### Phthalate content test<sup>▲</sup>

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

	<u>Result</u> <u>(%, w/w)</u>			<u>LOD</u> <u>(%, w/w)</u>	<u>LOQ</u> <u>(%, w/w)</u>	<u>Limit</u> <u>(%, w/w)</u>
	(11)	(12)	(13)			
Dibutyl Phthalate (DBP)	ND	ND	ND	0.0015	0.0030	0.1
Di(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	0.0015	0.0030	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	0.0015	0.0030	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	0.0015	0.0090	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	0.0015	0.0030	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	0.0015	0.0090	0.1
Di-n-hexyl Phthalate (DnHP)	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:

(11) =	YELLOW COATING ON WOOD	Refer	BKKH18008773
(12) =	RED SAWDUST	Refer	BKKH18016827
(13) =	BLACK SAWDUST	Refer	BKKH18012706

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

Test conducted:

### 9 Total Lead (Pb) Content<sup>▲</sup>

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)	<13	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	<13	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90
(8)	ND	2	13	90
(9)	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) = WHITE COATING ON WOOD	Refer	BKKH18008771
(2) = RED COATING ON WOOD	Refer	BKKH18008770
(3) = ORANGE COATING ON WOOD	Refer	BKKH18010022
(4) = LACQUER COATING ON WOOD	Refer	BKKH18008771
(5) = YELLOW COATING ON WOOD	Refer	BKKH18008771
(6) = BLACK COATING ON WOOD	Refer	BKKH18016831
(7) = DARK GRAY COATING ON WOOD	Refer	BKKH18016831
(8) = BROWN COATING ON WOOD	Refer	BKKH18008771
(9) = YELLOW COATING ON WOOD	Refer	BKKH18008773

\*\*\*\*\*

## TEST REPORT

The report shall not be reproduced without written approval from Intertek

The results relate only to the item tested.

Number: BKKH18015261

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>
(10)	ND	1	13	100
(11)	ND	1	13	100
(12)	ND	1	13	100
(13)	<13	1	13	100
(14)	ND	1	13	100
(15)	ND	1	13	100
(16)	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:

(10) = CREAM PLASTIC JOINT	Refer	BKKH18011943
(11) = CREAM COTTON CORD	Refer	BKKH18008762
(12) = BLACK ELASTIC	Refer	BKKH18016414
(13) = RED SAWDUST	Refer	BKKH18016827
(14) = BLACK SAWDUST	Refer	BKKH18011941S1
(15) = BLACK SCREW	Refer	BKKH18016823
(16) = SILVER BELL	Refer	BKKH18016686

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

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

Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.  
This report shall not be reproduced, except in full.