



TEST REPORT

Number: BKKH16013409S1

Applicant: PLAN CREATIONS CO., LTD.

8 MOO 8, TRANG-PALIAN RD., YANTAKAO, TRANG, THAILAND 92140 ATTN: K.NARONG, K.SUPAPORN This report supersedes The previous report Date Dec 29, 2016

Jan 24, 2017

Sample description:

Quantity of sample: One (1) set Sample description: Wooden toy

Date sample received:

Date sample resubmitted:

Date information received:

September 14, 2016

December 16, 2016

January 23, 2017

Client Information:

One (1) set of submitted sample said to be CHALET DOLL HOUSE WITH FURNITURE/CHALET DOLLHOUSE

Item Name: CHALET DOLL HOUSE WITH FURNITURE/CHALET DOLLHOUSE

Item Number: 7602/7609



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

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



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Conclusion:

Tested samples
Submitted samples

Standard - U.S. ASTM F963-11

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

Result Pass

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

other than textile materials

Pass

Heavy Elements Test

Pass

Standard - U.S. CFR title 16

(CPSC regulations)
Part 1303 total Lead content

Pass

Standard

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

Pass

For total lead content in surface coating

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

Pass

Act 410 ILCS 45 section 6 (public act 095-1019)

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NSC-TISI-TIS 17025 TESTING 0417

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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.

Components ASTM		Report No.	<u>Date</u>
ASTIVI	Brown Coating On Wood	BKKH16006844	May 17,2016
	RED COATING ON WOOD	BKKH16008147	Jun 09,2016
	ORANGE COATING ON WOOD	BKKH16008147	Jun 09,2016
	LACQUER COATING ON WOOD	BKKH16008147	Jun 09,2016
	WHITE COATING ON WOOD	BKKH16008148	Jun 09,2016
	YELLOW COATING ON WOOD (8768)	BKKH16008768	Jun 21,2016
	VIOLET COATING ON WOOD (8788)	BKKH16008768	Jun 21,2016 Jun 21,2016
	YELLOW COATING ON WOOD	BKKH16014215	Oct 04,2016
	GRAY COATING ON WOOD (15744)	BKKH16015744	Nov 07,2016
	Green Coating On Wood	BKKH16016212	Nov 17,2016
	Gray coating on wood	BKKH16015641	Nov 07,2016
	Solid Wood	BKKH17000142	Jan 10,2017
	WHITE - RED - YELLOW FABRIC	BKKH16017558	Dec 19,2016
	GREEN – WHITE – YELLOW FABRI	BKKH16017558	Dec 19,2016
	WHITE-CREAM FRIEZE	BKKH17000616	Jan 19,2017
	MDF Wood	BKKH16007214	May 23,2016
	White Sawdust 5%	BKKH16007214	May 23,2016
	WHITE JOINT PLASTIC	BKKH16014216	Oct 07,2016
	ORANGE SAWDUST (15586)	BKKH16015586	Nov 03,2016
	RED SAWDUST	BKKH16016103	Nov 15,2016
	WHITE ELASTIC (17556)	BKKH16017556	Dec 20,2016
	PC MIRROR	BKKH16017556	Dec 20,2016
	BLACK SPONGE	BKKH16017556	Dec 20,2016
	BLUE SAWDUST (299C)	BKKH16017877	Dec 29,2016
	GREEN SAWDUST (375C)	BKKH16017877	Dec 29,2016
	ORANGE SAWDUST	BKKH16017878	Dec 28,2016
	VIOLET SAWDUST	BKKH16017878	Dec 28, 2016
	White Elastic	BKKH16017813	Dec 27, 2016
	YELLOW SAWDUST	BKKH16017878	Dec 28, 2016
Lead in surfa		BRRITIOTTOTO	Dec 20, 2010
Lead III Sulla	Solid Wood	BKKH17000142	Jan 10,2017
	WHITE - RED - YELLOW FABRIC	BKKH16017558	Dec 19,2016
	GREEN – WHITE – YELLOW FABRI	BKKH16017558	Dec 19,2016
	WHITE-CREAM FRIEZE	BKKH17000616	Jan 19,2017
	MDF Wood	BKKH16007214	May 23,2016
	White Sawdust 5%	BKKH16007214	May 23,2016
	WHITE JOINT PLASTIC	BKKH16014216	Oct 07,2016
	ORANGE SAWDUST (15586)	BKKH16015586	Nov 03,2016
	RED SAWDUST	BKKH16016103	Nov 15,2016
	WHITE ELASTIC (17556)	BKKH16017556	Dec 20,2016
	PC MIRROR	BKKH16017556	Dec 20,2016
	BLACK SPONGE	BKKH16017556	Dec 20,2016
	BLUE SAWDUST (299C)	BKKH16017877	Dec 29,2016
********	**************************************		DEC 23,2010

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			Number: BKKH16013409
Components	<u> </u>	Report No.	<u>Date</u>
Lead in surf	ace coating		
	GREEN SAWDUST (375C)	BKKH16017877	Dec 29,2016
	ORANGE SAWDUST	BKKH16017878	Dec 28,2016
Lead in subs	<u>strate</u>		
	SCREW	BKKH17000537	Jan 18,2017
	Solid Wood	BKKH17000142	Jan 10,2017
	WHITE - RED - YELLOW FABRIC	BKKH16017558	Dec 19,2016
	GREEN – WHITE – YELLOW FABRI	BKKH16017558	Dec 19,2016
	WHITE-CREAM FRIEZE	BKKH17000616	Jan 19,2017
	MDF Wood	BKKH16007214	May 23,2016
	White Sawdust 5%	BKKH16007214	May 23,2016
	WHITE JOINT PLASTIC	BKKH16014216	Oct 07,2016
	ORANGE SAWDUST (15586)	BKKH16015586	Nov 03,2016
	RED SAWDUST	BKKH16016103	Nov 15,2016
	WHITE ELASTIC (17556)	BKKH16017556	Dec 20,2016
	PC MIRROR	BKKH16017556	Dec 20,2016
	BLACK SPONGE	BKKH16017556	Dec 20,2016
	BLUE SAWDUST (299C)	BKKH16017877	Dec 29,2016
	GREEN SAWDUST (375C)	BKKH16017877	Dec 29,2016
	ORANGE SAWDUST	BKKH16017878	Dec 28,2016
	VIOLET SAWDUST	BKKH16017878	Dec 28, 2016
	White Elastic	BKKH16017813	Dec 27, 2016
	YELLOW SAWDUST	BKKH16017878	Dec 28, 2016
Phthalate co	ontent		·
	Brown Coating On Wood	BKKH16006844	May 17, 2016
	MDF Wood	BKKH16007214	May 23, 2016
	White Sawdust 5%	BKKH16007214	May 23, 2016
	RED COATING ON WOOD	BKKH16008147	Jun 09, 2016
	ORANGE COATING ON WOOD	BKKH16008147	Jun 09, 2016
	LACQUER COATING ON WOOD	BKKH16008147	Jun 09, 2016
	WHITE COATING ON WOOD	BKKH16008148	Jun 09, 2016
	YELLOW COATING ON WOOD (8768)	BKKH16008768	Jun 21, 2016
	VIOLET COATING ON WOOD	BKKH16008768	Jun 21, 2016
	WHITE JOINT PLASTIC	BKKH16014216	Oct 07, 2016
	YELLOW COATING ON WOOD	BKKH16014215	Oct 04, 2016
	ORANGE SAWDUST (15586)	BKKH16015586	Nov 03, 2016
	GRAY COATING ON WOOD (15744)	BKKH16015744	Nov 07, 2016
	RED SAWDUST	BKKH16016103	Nov 15, 2016
	Green Coating On Wood	BKKH16016212	Nov 17, 2016
	Gray coating on wood	BKKH16015641	Nov 07, 2016
	WHITE ELASTIC	BKKH16017556	Dec 20, 2016
	PC MIRROR	BKKH16017556	Dec 20, 2016
	BLACK SPONGE	BKKH16017556	Dec 20, 2016
	BLUE SAWDUST (299C)	BKKH16017877	Dec 29, 2016
	GREEN SAWDUST (375C)	BKKH16017877	Dec 29, 2016
	ORANGE SAWDUST	BKKH16017878	Dec 28, 2016
	VIOLET SAWDUST	BKKH16017878	Dec 28, 2016
	WHITE ELASTIC	BKKH16017556	Dec 20, 2016
	YELLOW SAWDUST	BKKH16017878	Dec 28, 2016
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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

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 : -

Test **FHSA** <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>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleanliness)	Р
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	Р
4.8	Projections	NA
4.9	Accessible points	Р
4.10	Wires or rods	NA
4.11	Nails and fasteners	Р
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:

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 Testing items
 Assessment

 Rattles
 NA

<u>Section</u>	<u>Testing items</u>	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	Р
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	Р
6	Instructional literature	Р
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 section 8.5 through section 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Testing period: September 14, 2016 to December 19, 2016

2 Flammability Test

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

<u>Sample</u>	Ignition point	Burn length	<u>Time</u>	Burn rate	<u>Limit</u>
		(inch)	(sec)	(inch/sec)	(inch/sec)
Mattress	End to end	3.3	60	0.06	0.1

The submitted toy samples and its accessories were tested, the above result only showed the failed burn rate of the samples.

Testing period : September 14, 2016 to September 20, 2016

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Test conducted:

3 Heavy Elements Analysis

As per Section 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.

	Result			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg		
	(1)	(2)	<u>mg/kg</u> (3)	(4)	(5)	ilig/kg	ilig/kg	
Sol. Barium (Ba)	239	ND	ND	ND	ND	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble

< = Less than</p>

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) =	RED COATING ON WOOD	Refer	BKKH16008147
(3) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(4) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148



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TEST REPORT

Test conducted:

Heavy Elements Analysis

As per Section 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.

			Result			LOD "	<u>LOQ</u>	Limit mg/kg
	(0)	(=)	mg/kg	(0)	(4.0)	mg/kg	mg/kg	
	(6)	(7)	(8)	(9)	(10)			
Sol. Barium (Ba)	<4	<4	<4	<4	ND	0.7	4	1000
Sol. Lead (Pb)	ND	<4	ND	<4	ND	0.7	4	90
Sol. Cadmium (Cd)	<4	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	8.0	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	<4	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(6) =	YELLOW COATING ON WOOD (8768)	Refer	BKKH16008768
(7) =	VIOLET COATING ON WOOD	Refer	BKKH16008768
(8) =	YELLOW COATING ON WOOD	Refer	BKKH16014215
(9) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(10) =	Green Coating On Wood	Refer	BKKH16016212



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TEST REPORT

Test conducted:

Heavy Elements Analysis

As per Section 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>	LOQ	Limit mg/kg
		<u>mg/kg</u>	mg/kg	mg/kg	
	(11)				
0.1.5 (4==				4000
Sol. Barium (Ba)	177		0.7	4	1000
Sol. Lead (Pb)	ND		0.7	4	90
Sol. Cadmium (Cd)	ND		0.7	4	75
Sol. Antimony (Sb)	ND		0.8	2	60
Sol. Selenium (Se)	ND		0.4	2	500
Sol. Chromium (Cr)	ND		0.7	4	60
Sol. Mercury (Hg)	ND		1	3	60
Sol. Arsenic (As)	ND		0.8	2	25

Remark: Sol. = Soluble

< = Less than</p>

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:

(11) = Gray coating on wood Refer BKKH16015641



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Test conducted:

Heavy Elements Analysis

As per Section 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> mg/kg			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg		
	(12)	(13)	(14)	(15)	(16)		<u></u>	
Sol. Barium (Ba)	ND	<4	<4	ND	ND	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	8.0	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(12) =	Solid Wood	Refer	BKKH17000142
(13) =	WHITE - RED - YELLOW FABRIC	Refer	BKKH16017558
(14) =	GREEN – WHITE – YELLOW FABRI	Refer	BKKH16017558
(15) =	WHITE-CREAM FRIEZE	Refer	BKKH17000616
(16) =	MDF Wood	Refer	BKKH16007214



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Test conducted:

Heavy Elements Analysis

As per Section 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.

			Result			LOD	LOQ	Limit mg/kg
	(17)	(18)	<u>mg/kg</u> (19)	(20)	(21)	mg/kg	mg/kg	
Sol. Barium (Ba)	ND	ND	<4	<4	ND	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	<4	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	<2	8.0	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(17) =	White Sawdust 5%	Refer	BKKH16007214
(18) =	WHITE JOINT PLASTIC	Refer	BKKH16014216
(19) =	ORANGE SAWDUST (15586)	Refer	BKKH16015586
(20) =	RED SAWDUST	Refer	BKKH16016103
(21) =	WHITE ELASTIC (17556)	Refer	BKKH16017556



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Test conducted:

Heavy Elements Analysis

As per Section 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> mg/kg			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg		
	(22)	(23)	(24)	(25)	(26)	<u></u>	<u>gg</u>	
Sol. Barium (Ba)	ND	ND	<4	ND	ND	0.7	4	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(22) =	PC MIRROR	Refer B	3KKH16017556
(23) =	BLACK SPONGE	Refer B	3KKH16017556
(24) =	BLUE SAWDUST (299C)	Refer B	3KKH16017877
(25) =	GREEN SAWDUST (375C)	Refer B	3KKH16017877
(26) =	ORANGE SAWDUST	Refer E	3KKH16017878



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Test conducted:

Heavy Elements Analysis

As per Section 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.

			Result mg/kg	<u>LOD</u> mg/kg	LOQ mg/kg	Limit mg/kg
	(27)	(28)	(29)	<u></u> -	<u></u>	
Sol. Barium (Ba)	<4	69	ND	0.7	4	1000
Sol. Lead (Pb)	<4	ND	ND	0.7	4	90
Sol. Cadmium (Cd)	ND	ND	ND	0.7	4	75
Sol. Antimony (Sb)	ND	ND	ND	0.8	2	60
Sol. Selenium (Se)	ND	ND	ND	0.4	2	500
Sol. Chromium (Cr)	ND	ND	ND	0.7	4	60
Sol. Mercury (Hg)	ND	ND	ND	1	3	60
Sol. Arsenic (As)	ND	ND	ND	0.8	2	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

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Tested components:

(27) =	VIOLET SAWDUST	Refer	BKKH16017878
(28) =	White Elastic	Refer	BKKH16017813
(29) =	YELLOW SAWDUST	Refer	BKKH16017878



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TEST REPORT

Test conducted:

Total Lead (Pb) Content

As per Sections 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

Tested Component	<u>Result</u>	<u>LOD LOQ</u>	<u>Limit</u>
rested Component	<u>mg/kg</u>	<u>(mg/kg) (mg/kg)</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
(8)	<13	2 13	90
(9)	ND	2 13	90
(10)	ND	2 13	90
(11)	ND	2 13	90

Remark: < = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	RED COATING ON WOOD	Refer	BKKH16008147
(3) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(4) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(6) =	YELLOW COATING ON WOOD (8768)	Refer	BKKH16008768
(7) =	VIOLET COATING ON WOOD	Refer	BKKH16008768
(8) =	YELLOW COATING ON WOOD	Refer	BKKH16014215
(9) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(10) =	Green Coating On Wood	Refer	BKKH16016212
(11) =	Gray coating on wood	Refer	BKKH16015641

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NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH16013409S1

TEST REPORT

Test conducted:

Total Lead (Pb) Content[▲]

As per Sections 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

Tested Component	Result	LOD LOQ	<u>Limit</u>
rested Component	mg/kg	<u>(mg/kg)</u> (mg/kg)	<u>(mg/kg)</u>
(12)	ND	1 13	100
(13)	ND	1 13	100
(14)	ND	1 13	100
(15)	ND	1 13	100
(16)	ND	1 13	100
(17)	ND	1 13	100
(18)	ND	1 13	100
(19)	<13	1 13	100
(20)	<13	1 13	100
(21)	ND	1 13	100
(22)	ND	1 13	100
(23)	<13	1 13	100
(24)	<13	1 13	100
(25)	<13	1 13	100
(26)	<13	1 13	100

Remark: < = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(40)	O-151 W1	D-f DI///147000440
(12) =	Solid Wood	Refer BKKH17000142
(13) =	WHITE - RED - YELLOW FABRIC	Refer BKKH16017558
(14) =	GREEN – WHITE – YELLOW FABRI	Refer BKKH16017558
(15) =	WHITE-CREAM FRIEZE	Refer BKKH17000616
(16) =	MDF Wood	Refer BKKH16007214
(17) =	White Sawdust 5%	Refer BKKH16007214
(18) =	WHITE JOINT PLASTIC	Refer BKKH16014216
(19) =	ORANGE SAWDUST (15586)	Refer BKKH16015586
(20) =	RED SAWDUST	Refer BKKH16016103
(21) =	WHITE ELASTIC (17556)	Refer BKKH16017556
(22) =	PC MIRROR	Refer BKKH16017556
(23) =	BLACK SPONGE	Refer BKKH16017556
(24) =	BLUE SAWDUST (299C)	Refer BKKH16017877
(25) =	GREEN SAWDUST (375C)	Refer BKKH16017877
(26) =	ORANGE SAWDUST	Refer BKKH16017878

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TEST REPORT

Test conducted:

Total Lead (Pb) Content[♣]

As per Sections 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

Tested Component	<u>Result</u>	<u>LOD</u> <u>LOQ</u>	<u>Limit</u>
rested Component	mg/kg	(mg/kg) (mg/kg)	<u>(mg/kg)</u>
(27)	ND	1 13	100
(28)	ND	1 13	100
(29)	<13	1 13	100

Remark: < = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(27) =	VIOLET SAWDUST	Refer BKKH16017878
(28) =	White Elastic	Refer BKKH16017813
(29) =	YELLOW SAWDUST	Refer BKKH16017878



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

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.

Tested component	<u>Result</u>	LOD	<u>LOQ</u>	<u>Limit</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
(8)	< 0.0013	0.0002	0.0013	0.009
(9)	ND	0.0002	0.0013	0.009
(10)	ND	0.0002	0.0013	0.009
(11)	ND	0.0002	0.0013	0.009

Remark: % = percentage

< = Less than
LOD = Limit of Detection
LOQ = Limit of Quantitation</pre>

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	Brown Coating On Wood	Refer BKKH16006844
(2) =	RED COATING ON WOOD	Refer BKKH16008147
(3) =	ORANGE COATING ON WOOD	Refer BKKH16008147
(4) =	LACQUER COATING ON WOOD	Refer BKKH16008147
(5) =	WHITE COATING ON WOOD	Refer BKKH16008148
(6) =	YELLOW COATING ON WOOD (8768)	Refer BKKH16008768
(7) =	VIOLET COATING ON WOOD	Refer BKKH16008768
(8) =	YELLOW COATING ON WOOD	Refer BKKH16014215
(9) =	GRAY COATING ON WOOD (15744)	Refer BKKH16015744
(10) =	Green Coating On Wood	Refer BKKH16016212
(11) =	Gray coating on wood	Refer BKKH16015641

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

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.

Tested component	Result	LOD	<u>LOQ</u>	<u>Limit mg/kg</u>
	<u>mg/kg</u>	mg/kg	mg/kg	
(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
(8)	<13	2	13	90
(9)	ND	2	13	90
(10)	ND	2	13	90
(11)	ND	2	13	90

Remark: < = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	RED COATING ON WOOD	Refer	BKKH16008147
(3) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(4) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(5) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(6) =	YELLOW COATING ON WOOD (8768)	Refer	BKKH16008768
(7) =	VIOLET COATING ON WOOD	Refer	BKKH16008768
(8) =	YELLOW COATING ON WOOD	Refer	BKKH16014215
(9) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(10) =	Green Coating On Wood	Refer	BKKH16016212
(11) =	Gray coating on wood	Refer	BKKH16015641



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

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 c

ontent was determined by Inductively Couple Plasma Optical Emission Spectrometry.

 Result mg/kg
 LOD LOQ mg/kg
 Limit mg/kg

 (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 items are not included in the TISI Accreditation

Tested components:

(1) = SCREW Refer BKKH17000537



NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH16013409S1

TEST REPORT

Test conducted:

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.

Tested component	<u>Result</u> mg/kg	<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	<u>Limit mg/kg</u>
(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)	<13	1	13	100
(10)	<13	1	13	100
(11)	ND	1	13	100
(12)	ND	1	13	100
(13)	<13	1	13	100
(14)	<13	1	13	100
(15)	<13	1	13	100
(16)	<13	1	13	100

Remark: < = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(2) =	Solid Wood	Refer	BKKH17000142
(3) =	WHITE - RED - YELLOW FABRIC	Refer	BKKH16017558
(4) =	GREEN – WHITE – YELLOW FABRI	Refer	BKKH16017558
(5) =	WHITE-CREAM FRIEZE	Refer	BKKH17000616
(6) =	MDF Wood	Refer	BKKH16007214
(7) =	White Sawdust 5%	Refer	BKKH16007214
(8) =	WHITE JOINT PLASTIC	Refer	BKKH16014216
(9) =	ORANGE SAWDUST (15586)	Refer	BKKH16015586
(10) =	RED SAWDUST	Refer	BKKH16016103
(11) =	WHITE ELASTIC (17556)	Refer	BKKH16017556
(12) =	PC MIRROR	Refer	BKKH16017556
(13) =	BLACK SPONGE	Refer	BKKH16017556
(14) =	BLUE SAWDUST (299C)	Refer	BKKH16017877
(15) =	GREEN SAWDUST (375C)	Refer	BKKH16017877
(16) =	ORANGE SAWDUST	Refer	BKKH16017878

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

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.

Tested component	<u>Result</u>	<u>LOD</u>	LOQ	Limit mg/kg
	mg/kg	mg/kg	mg/kg	
(17)	ND	1	13	100
(18)	ND	1	13	100
(19)	<13	1	13	100

Remark: < = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(17) =	VIOLET SAWDUST	Refer BKKH16017878
(18) =	White Elastic	Refer BKKH16017813
(19) =	YELLOW SAWDUST	Refer BKKH16017878



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

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.

			Result			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>	NPR
		<u>(%, w/w)</u>				(%, w/w)	<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>∕₀, w/v</u>
	(1)	(2)	(3)	(4)	(5)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

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

NPR = Notice of proposed rulemaking

< = Less

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	MDF Wood	Refer	BKKH16007214
(3) =	White Sawdust 5%	Refer	BKKH16007214
(4) =	RED COATING ON WOOD	Refer	BKKH16008147
(5) =	ORANGE COATING ON WOOD	Refer	BKKH16008147

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NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH16013409S1

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.

			Result			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>	NPR
			<u>(%, w/w)</u>			<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>∕, w/v</u>
	(6)	(7)	(8)	(9)	(10)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	0.0751	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

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

NPR = Notice of proposed rulemaking

< = Less 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:

(6) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(7) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(8) =	YELLOW COATING ON WOOD (8768)	Refer	BKKH16008768
(9) =	VIOLET COATING ON WOOD	Refer	BKKH16008768
(10) =	WHITE JOINT PLASTIC	Refer	BKKH16014216

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NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH16013409S1

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.

			Result		<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>	NPR	
			(%, w/w)			(%, w/w)	<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>∕, w/v</u>
	(11)	(12)	(13)	(14)	(15)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

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

NPR = Notice of proposed rulemaking

< = Less 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:

(11) =	YELLOW COATING ON WOOD	Refer	BKKH16014215
(12) =	ORANGE SAWDUST (15586)	Refer	BKKH16015586
(13) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(14) =	RED SAWDUST	Refer	BKKH16016103
(15) =	Green Coating On Wood	Refer	BKKH16016212

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NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH16013409S1

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.

			Result		<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>	NPR	
			(%, w/w)			(%, w/w)	<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>∕, w/v</u>
	(16)	(17)	(18)	(19)	(20)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

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

NPR = Notice of proposed rulemaking

< = Less 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:

(16) =	Gray coating on wood	Refer	BKKH16015641
(17) =	WHITE ELASTIC (17556)	Refer	BKKH16017556
(18) =	PC MIRROR	Refer	BKKH16017556
(19) =	BLACK SPONGE	Refer	BKKH16017556
(20) =	BLUE SAWDUST (299C)	Refer	BKKH16017877

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

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.

			Result			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>	NPR
			(%, w/w)	<u> </u>		(%, w/w)	<u>(%, w/w)</u>	<u>(%, w/w)</u>	<u>∕₀, w/v</u>
	(21)	(22)	(23)	(24)	(25)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

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

NPR = Notice of proposed rulemaking

< = Less 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:

(21) =	GREEN SAWDUST (375C)	Refer	BKKH16017877
(22) =	ORANGE SAWDUST	Refer	BKKH16017878
(23) =	VIOLET SAWDUST	Refer	BKKH16017878
(24) =	White Elastic	Refer	BKKH16017813
(25) =	YELLOW SAWDUST	Refer	BKKH16017878

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

8 Phthalate content test*

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

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

Remark: <= Less than

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

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

Tested components:

6844
7214
7214
8147
8147



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

Phthalate content test^{*}

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

			<u>Result</u>			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
			<u>(%, w/w)</u>			(%, w/w)	<u>(%, w/w)</u>	
	(6)	(7)	(8)	(9)	(10)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	0.0751	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: < = Less than

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

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

Tested components:

(6) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(7) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(8) =	YELLOW COATING ON WOOD (8768)	Refer	BKKH16008768
(9) =	VIOLET COATING ON WOOD	Refer	BKKH16008768
(10) =	WHITE JOINT PLASTIC	Refer	BKKH16014216
` '			



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

Phthalate content test *

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

			Result			LOD	<u>LOQ</u>	<u>Limit</u>
			(%, w/w)			(%, w/w)	<u>(%, w/w)</u>	
	(11)	(12)	(13)	(14)	(15)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: <= Less than

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = 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	BKKH16014215
(12) =	ORANGE SAWDUST (15586)	Refer	BKKH16015586
(13) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(14) =	RED SAWDUST	Refer	BKKH16016103
(15) =	Green Coating On Wood	Refer	BKKH16016212

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

Phthalate content test*

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

			Result			<u>LOD</u>	LOQ	<u>Limit</u>
		<u>(%, w/w)</u>				(%, w/w)	<u>(%, w/w)</u>	
	(16)	(17)	(18)	(19)	(20)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: <= Less than

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

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

Tested components:

(16) =	Gray coating on wood	Refer	BKKH16015641
(17) =	WHITE ELASTIC (17556)	Refer	BKKH16017556
(18) =	PC MIRROR	Refer	BKKH16017556
(19) =	BLACK SPONGE	Refer	BKKH16017556
(20) =	BLUE SAWDUST (299C)	Refer	BKKH16017877



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

Phthalate content test *

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

			Result			<u>LOD</u>	LOQ	<u>Limit</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>
	(21)	(22)	(23)	(24)	(25)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: <= Less than

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

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

Tested components:

(21) =	GREEN SAWDUST (375C)	Refer	BKKH16017877
(22) =	ORANGE SAWDUST	Refer	BKKH16017878
(23) =	VIOLET SAWDUST	Refer	BKKH16017878
(24) =	White Elastic	Refer	BKKH16017813
(25) =	YELLOW SAWDUST	Refer	BKKH16017878

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NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH16013409S1

TEST REPORT

Test conducted:

9 Total Lead (Pb) Content A

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.

Cuitate Counting indicate				
Tested component	Result	<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	mg/kg	mg/kg	mg/kg	mg/kg
(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
(8)	<13	2	13	90
(9)	ND	2	13	90
(10)	ND	2	13	90
(11)	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)	=	RED COATING ON WOOD	Refer	BKKH16008147
(3)	=	ORANGE COATING ON WOOD	Refer	BKKH16008147
(4)	=	LACQUER COATING ON WOOD	Refer	BKKH16008147
(5)	=	WHITE COATING ON WOOD	Refer	BKKH16008148
(6)	=	YELLOW COATING ON WOOD (8768)	Refer	BKKH16008768
(7)	=	VIOLET COATING ON WOOD	Refer	BKKH16008768
(8)	=	YELLOW COATING ON WOOD	Refer	BKKH16014215
(9)	=	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(10)	=	Green Coating On Wood	Refer	BKKH16016212
(11)	=	Gray coating on wood	Refer	BKKH16015641

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH16013409S1

TEST REPORT

Test conducted:

II Non-surface coating material (substrate)

Tested component	Result	<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	mg/kg	mg/kg	mg/kg	mg/kg
(12)	ND	1	13	100
(13)	ND	1	13	100
(14)	ND	1	13	100
(15)	ND	1	13	100
(16)	ND	1	13	100
(17)	ND	1	13	100
(18)	ND	1	13	100
(19)	<13	1	13	100
(20)	<13	1	13	100
(21)	ND	1	13	100
(22)	ND	1	13	100
(23)	<13	1	13	100
(24)	<13	1	13	100
(25)	<13	1	13	100
(26)	<13	1	13	100
(27)	ND	1	13	100
(28)	ND	1	13	100
(29)	<13	1	13	100
(30)	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)

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.





TEST REPORT

Test conducted:

Tested components:

	oa oopoo			
(12)	=	Solid Wood	Refer	BKKH17000142
(13)	=	WHITE - RED - YELLOW FABRIC	Refer	BKKH16017558
(14)	=	GREEN – WHITE – YELLOW FABRI	Refer	BKKH16017558
(15)	=	WHITE-CREAM FRIEZE	Refer	BKKH17000616
(16)	=	MDF Wood	Refer	BKKH16007214
(17)	=	White Sawdust 5%	Refer	BKKH16007214
(18)	=	WHITE JOINT PLASTIC	Refer	BKKH16014216
(19)	=	ORANGE SAWDUST (15586)	Refer	BKKH16015586
(20)	=	RED SAWDUST	Refer	BKKH16016103
(21)	=	WHITE ELASTIC (17556)	Refer	BKKH16017556
(22)	=	PC MIRROR	Refer	BKKH16017556
(23)	=	BLACK SPONGE	Refer	BKKH16017556
(24)	=	BLUE SAWDUST (299C)	Refer	BKKH16017877
(25)	=	GREEN SAWDUST (375C)	Refer	BKKH16017877
(26)	=	ORANGE SAWDUST	Refer	BKKH16017878
(27)	=	VIOLET SAWDUST	Refer	BKKH16017878
(28)	=	White Elastic	Refer	BKKH16017813
(29)	=	YELLOW SAWDUST	Refer	BKKH16017878
(30)	=	SCREW	Refer	BKKH17000537

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

****/KS/ST

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