



中国认可  
国际互认  
检测  
TESTING  
CNAS L2929

## Test Report

No.: T52210341207TY

Date: FEB 03, 2023

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HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD HAPE INTERNATIONAL (NINGBO) LTD  
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA PC:315800

The following samples were submitted and identified by/on behalf of the client as:

E3208 LITTLE CHEF COOKING & SERVE PLAY SET  
E3150 COOK & SERVE SET  
E3207 TEA TIME WOODEN PLAY SET

Item No. : E3208, E3150, E3207  
Country of Origin : CHINA  
Country of Destination : GLOBAL  
Client Reference Information : E3208A, E3150B, E3207A  
Labeled Age Grading : 24M+ / 2-6 YEARS / 2-10 YEARS  
Requested Age Grading : 2Y+

\*\*\*\*\*

Age Group Assessed by SGS As Per Age : OVER 2 YEARS  
Guideline  
Age Group Applied in Testing : OVER 2 YEARS  
Sample Receiving Date : DEC 27, 2022  
Last Submission Sample Date : JAN 16, 2023  
Testing Period : DEC 27, 2022 TO FEB 03, 2023



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Test Requested		Conclusion
1.	For compliance with the test requirement of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety.	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS
2.	For compliance with test requirement of the Physical & Mechanical, Flammability test requirement of Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A	--
	Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 and US CPSC 16 CFR 1501: -US CPSC 16 CFR 1500.48 – Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of ages -US CPSC 16 CFR 1500.49 – Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age -US CPSC 16 CFR 1501 – Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	PASS
	US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	PASS
3.	Tracking label per 15 U.S.C. § 2063(a)(5) and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products	PASS*



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4.	Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A. - Part 1303 - Ban of Lead - Containing Paint and Certain Consumer Products Bearing Lead - Containing Paint – Lead Content	PASS
5.	CPSIA section 101 - Total Lead content	--
5.1	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS
	Client's Requirement - Lead in paint/similar surface coating material	PASS
5.2	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS
	Client's Requirement - Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS

Remark: Test item (s) with "\*" is (are) not accredited by CNAS.

\*Retest sample(s) were submitted on JAN 16, 2023 for test clause 4.36.

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical  
Services Co., Ltd. Shenzhen Branch Testing Center





Qu Ping, Kiky  
Dept. Manager  
CNAS Approved Signatories

Huang Yao, Lucy  
Section Head  
CNAS Approved Signatories



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### Results:

#### ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

#### AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	PASS
4.2	Flammability Test	PASS (See Result Page)
4.3	Toxicology	
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	PASS (See Result Page)
4.3.5.2	Heavy Metal in Substrate Materials	PASS (See Result Page)
4.3.6	Cosmetic, Liquids, Pastes, Putties, Gels, Powders and Item of Avian Feather Origin	N/A
4.3.7	Stuffing Materials	N/A
4.3.8	DEHP (DOP)	N/A
4.4	Electrical/Thermal Energy	N/A
4.5	Sound-Producing Toys	PASS
4.6.1	Small Objects	PASS
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Labelling Requirements	N/A
4.7	Accessible Edges	PASS
4.8	Projections	N/A
4.9	Accessible Points	PASS
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	PASS
4.12	Plastic Film	N/A
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-Line Clearance	N/A



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Clause	Description	Result
4.14	Cords, Straps and Elastic	N/A
4.15	Stability and Over-Load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearance & Accessibility of Mechanisms	N/A
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys (Rechargeable battery/Non-rechargeable battery)	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys and Nearly Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	PASS#
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding Materials	N/A
4.41	Toy Chest	N/A
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	N/A
5.4	Aquatic Toys	N/A
5.5	Crib & Playpen Toys	N/A
5.6	Mobile	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled by an Adult	N/A



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Clause	Description	Result
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges and Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	N/A
5.12	Toy Caps	N/A
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	
5.16	Promotional Materials	PASS
5.17	Magnets	N/A
6	Instructional Literature	
6.2	Crib & Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled by an Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Battery Powered Ride-on Toy	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toy Chests	N/A
7	Producer's Markings	
7.1	Producer's Markings	PASS
7.2	Battery-Powered Ride-on Toys	N/A
7.3	Toy Chests	N/A
8.5	Normal Use Testing	PASS
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.10	Compression Test	PASS
8.12	Flexure Test	N/A
8.16	Tension Test for Pompoms	N/A

ASTM F963-17 Standard Consumer Safety Specification for Toy  
Safety Section 4.5, Sound Producing Toys modify by 16 CFR 1250.2  
(c)

\*The test result was based on the client provided documents, and not  
in the scope of CNAS accreditation.

\*The test result was based on the client provided documents.

N/A = Not Applicable

\*\* Visual Examination



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## Result Page:

### Flammability Test (Clause 4.2)

#### Flammability Test on Solid

##### Sample

E3208 LITTLE CHEF COOKING & SERVE PLAY SET E3150 COOK & SERVE SET E3207 TEA TIME WOODEN PLAY SET

##### Burning Rate (inch/sec)

0.03

### Requirement:

A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

#### Flammability Test on Textile Materials

Samples	As received					Burning Time (second)					Results		
						After washing							
Red and white stripes fabric	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	Ave	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	Ave	
	DNI	DNI	DNI	DNI	DNI	--	DNI	DNI	DNI	DNI	DNI	--	Pass

DNI = Did Not Ignite

### Requirements:

#### Plain Surface Fabrics

- (1) All specimens either did not ignite, ignited but self extinguished, or any combination thereof.
- (2) Average burn time is 3.5 s or greater.

#### Raised Surface Fabrics

- (1) All specimens either did not ignite, ignited but self extinguished, or any combination thereof.
- (2) Average burn time is 4 s or greater.
- (3) Average burn time is less than 4 s and all specimens burn with a surface flash where the intensity of the surface flame is insufficient to ignite, char, or melt the base fabric.
- (4) Only 1 of 5 specimens ignites and burns in less than 4s and the base fabric does not ignite or fuse, the sample is acceptable.
- (5) Only 1 of 5 specimens ignites or burns in more than 4s, regardless of whether the base fabric ignites or fuses, the sample is acceptable.



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## ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 / ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

### Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Transparent lacquer coating on wood (Handle, lid, seasoning bottle, spatula, spoon, knife, fork, pot, teapot, tray, teabag, cup holder) + Multi-color coating on hardboard (Tomato) w/ Red w/ blue coating on wood (Seasoning bottle)	3	1	ND
2. Multi-color coating on felt (Accessory) + Silvery coating on wood (Lid, handle) w/ Grey coating on plastic (Plate)	3	2	ND
3. Light red coating on wood (Pot, lid, tomato) w/ Black w/ brown coating on wood (Lettering) w/ Dark red coating on wood (Handle, biscuit)	3	3	ND
4. Cyan coating on wood (Teapot, lid, tray) w/ Dark cyan coating on wood (Lid) + Multi-color coating on wood (Pattern)	3	4	ND
5. Dark pink coating on wood (Cup, pad) + Light cyan coating on wood (Cake) w/ Pink coating on wood (Cake) + White coating on wood (Tray, cake, cup holder, teabag)	3	5	ND
6. Apricot-yellow coating on wood (Biscuit) w/ Light green coating on wood (Cup holder) + Brown coating on wood (Cake) w/ Dark brown coating on wood (Teabag)	3	6	ND



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# Test Report

No.: T52210341207TY

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## Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm)				90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	1	5	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	8	51.9	ND	ND	ND	ND	ND	ND	ND	ND
3	1	14	/	ND	ND	ND	ND	ND	ND	ND	ND
4	1	15	/	ND	ND	ND	ND	ND	ND	ND	ND
5	1	19	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	22	/	ND	ND	ND	ND	ND	ND	ND	ND
7	1	23	63.8	ND	ND	ND	ND	ND	ND	ND	ND
8	1	24	/	ND	ND	ND	ND	ND	ND	ND	ND
9	1	25	/	ND	ND	ND	ND	ND	ND	ND	ND
10	1	26	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	27	/	ND	ND	ND	ND	ND	ND	ND	ND
12	1	28	19.4	ND	ND	ND	ND	ND	ND	ND	ND
13	1	31	/	ND	ND	ND	ND	ND	ND	ND	ND
14	1	34	/	ND	ND	ND	ND	ND	ND	ND	ND

## Specimen Description:

1. Transparent lacquer coating on wood (Handle, lid, seasoning bottle, spatula, spoon, knife, fork, pot, teapot, tray, teabag, cup holder)
2. Multi-color coating on hardboard (Tomato)
3. Multi-color coating on felt (Accessory)
4. Silvery coating on wood (Lid, handle)
5. Light red coating on wood (Pot, lid, tomato)
6. Cyan coating on wood (Teapot, lid, tray)
7. Multi-color coating on wood (Pattern)
8. Dark pink coating on wood (Cup, pad)
9. Light cyan coating on wood (Cake)



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### Specimen Description:

10. Apricot-yellow coating on wood (Biscuit)
11. Brown coating on wood (Cake)
12. Dark brown coating on wood (Teabag)
13. Light green coating on wood (Cup holder)
14. White coating on wood (Tray, cake, cup holder, teabag)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- <sup>Δ</sup> Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- \* Exceeds Permissible Limit

Remark: As received, below test portion(s) is(are) less than 10 mg, therefore such component(s) was(were) not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) – Selection of Test Portions

Red, blue (Seasoning bottle), brown (Lettering) coating on wood  
 Grey coating on plastic (Plate)  
 Black coating on wood (Lettering)  
 Dark red coating on wood (Handle, biscuit)  
 Pink coating on wood (Cake)  
 Dark cyan coating on wood (Lid)



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## ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method: With reference to CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3 / ASTM F963-17 Clause 8.3 / CPSC-CH-E1004-11

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)/ Inductively Coupled Plasma Mass Spectrometer (ICP-MS)

### Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. White fabric w/ red printing (Placemat) + Light blue felt w/ green printing (Teabag)	2	1	ND
2. White plastic (Plate) + Grey plastic (Spatula) + Dark grey plastic (Spoon)	2	2	ND
3. Light blue plastic (Knife, fork, pot) + Pale blue plastic (Seasoning bottle) + Red plastic (Seasoning bottle)	2	3	ND
4. Brown hardboard (Tomato) + Cream plywood (Lid) + Dark cream plywood (Pot, lid)	2	4	ND
5. Silvery metal screw (Handle)	4	1	ND
6. Silvery metal rivet (Lid)	4	2	ND
7. Dull silvery metal rivet (Lid)	4	3	ND
8. Silvery metal flat head screw (Tray)	4	4	ND



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## Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	1	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	1	3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	1	4	/	ND	ND	ND	ND	ND	ND	ND	ND
5	1	6	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	7	/	ND	ND	ND	12	ND	ND	ND	ND
7	1	9	/	ND	ND	ND	ND	ND	ND	ND	ND
8	1	10	/	ND	ND	ND	ND	ND	ND	ND	ND
9	1	11	/	ND	ND	ND	ND	ND	ND	ND	ND
10	1	12	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	13	/	ND	ND	ND	ND	ND	ND	ND	ND
12	1	18	/	ND	ND	ND	ND	ND	ND	ND	ND
13	1	29	/	ND	ND	ND	13	ND	ND	ND	ND
14	1	30	/	ND	7	ND	ND	ND	ND	ND	ND

## Specimen Description:

1. White fabric w/ red printing, white fabric thread (Placemat)
2. Dark yellow felt w/ dark yellow fabric thread (Accessory)
3. White plastic (Plate)
4. Grey plastic (Spatula)
5. Dark grey plastic (Spoon)
6. Brown hardboard (Tomato)
7. Light blue plastic (Knife, fork, pot)
8. Pale blue plastic (Seasoning bottle)
9. Red plastic (Seasoning bottle)



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### Specimen Description:

10. Cream plywood (Lid)
11. Grey felt (Accessory)
12. Dark cream plywood (Pot, lid)
13. Cream woven cord (Teabag)
14. Light blue felt w/ green printing (Teabag)

- Note:
- ppm = parts per million
  - µg/component = microgramme per component
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- <sup>Δ</sup> Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- \* Exceeds Permissible Limit



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### US CPSC

PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

AS SPECIFIED IN PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

	No. of sample tested	Sharp point (16 CFR 1500.48)	Sharp edge (16 CFR 1500.49)	Small part (16 CFR 1501)
As received	3	Pass	Pass	Pass
Impact test (16 CFR 1500.52b)	3	Pass	Pass	Pass
Bite test (16 CFR 1500.52c)	3	N/A	N/A	N/A
Flexure test (16 CFR 1500.53d)	0	N/A	N/A	N/A
Torque test (16 CFR 1500.53e)	3	Pass	Pass	Pass
Tension test (16 CFR 1500.52f)	3	Pass	Pass	Pass
Compression test (16 CFR 1500.53g)	3	Pass	Pass	Pass

N/A = Not Applicable

US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

AS SPECIFIED IN US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

Sample	Burning Rate (inch/sec)
E3208 LITTLE CHEF COOKING & SERVE PLAY SET E3150	0.03
COOK & SERVE SET E3207 TEA TIME WOODEN PLAY SET	

#### Requirement:

A toy / component is considered a “flammable solid” if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.



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As specified in 15 U.S.C. § 2063(a)(5) and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label on the packaging: Present
- Tracking label on the product: Present

Note: The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

### CPSC 16 CFR 1303 - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)	Lead (Pb)		
Permissible Limit (ppm)	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Transparent lacquer coating on wood (Handle, lid, seasoning bottle, spatula, spoon, knife, fork, pot, teapot, tray, teabag, cup holder) + Multi-color coating on hardboard (Tomato) w/ Red w/ blue coating on wood (Seasoning bottle)	5	1	ND
2. Multi-color coating on felt (Accessory) + Silvery coating on wood (Lid, handle) w/ Grey coating on plastic (Plate)	5	2	ND
3. Light red coating on wood (Pot, lid, tomato) w/ Black w/ brown coating on wood (Lettering) w/ Dark red coating on wood (Handle, biscuit)	5	3	ND
4. Cyan coating on wood (Teapot, lid, tray) w/ Dark cyan coating on wood (Lid) + Multi-color coating on wood (Pattern)	5	4	ND
5. Dark pink coating on wood (Cup, pad) + Light cyan coating on wood (Cake) w/ Pink coating on wood (Cake) + White coating on wood (Tray, cake, cup holder, teabag)	5	5	ND
6. Apricot-yellow coating on wood (Biscuit) w/ Light green coating on wood (Cup holder) + Brown coating on wood (Cake) w/ Dark brown coating on wood (Teabag)	5	6	ND



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- Note:
- ppm = parts per million
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 10 ppm
  - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- <sup>Δ</sup> Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- \* Exceeds Permissible Limit

## CPSIA - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Transparent lacquer coating on wood (Handle, lid, seasoning bottle, spatula, spoon, knife, fork, pot, teapot, tray, teabag, cup holder) + Multi-color coating on hardboard (Tomato) w/ Red w/ blue coating on wood (Seasoning bottle)	7	1	ND
2. Multi-color coating on felt (Accessory) + Silvery coating on wood (Lid, handle) w/ Grey coating on plastic (Plate)	7	2	ND
3. Light red coating on wood (Pot, lid, tomato) w/ Black w/ brown coating on wood (Lettering) w/ Dark red coating on wood (Handle, biscuit)	7	3	ND
4. Cyan coating on wood (Teapot, lid, tray) w/ Dark cyan coating on wood (Lid) + Multi-color coating on wood (Pattern)	7	4	ND
5. Dark pink coating on wood (Cup, pad) + Light cyan coating on wood (Cake) w/ Pink coating on wood (Cake) + White coating on wood (Tray, cake, cup holder, teabag)	7	5	ND



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Test Item(s)	Lead (Pb)		
Permissible Limit (ppm)	90		
Client's Limit (ppm)	40		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
6. Apricot-yellow coating on wood (Biscuit) w/ Light green coating on wood (Cup holder) + Brown coating on wood (Cake) w/ Dark brown coating on wood (Teabag)	7	6	ND

- Note:
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- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- <sup>Δ</sup> Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- \* Exceeds Permissible Limit



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## CPSIA - Lead in Accessible Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Method (metal materials): With reference to CPSC-CH-E1001-08.3 - Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			100
Client's Limit (ppm)			40
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. White fabric w/ red printing (Placemat) + Light blue felt w/ green printing (Teabag)	6	1	ND
2. White plastic (Plate) + Grey plastic (Spatula) + Dark grey plastic (Spoon)	6	2	ND
3. Light blue plastic (Knife, fork, pot) + Pale blue plastic (Seasoning bottle) + Red plastic (Seasoning bottle)	6	3	ND
4. Brown hardboard (Tomato) + Cream plywood (Lid) + Dark cream plywood (Pot, lid)	6	4	ND
5. Silvery metal screw (Handle)	8	1	ND
6. Silvery metal rivet (Lid)	8	2	ND
7. Dull silvery metal rivet (Lid)	8	3	ND
8. Silvery metal flat head screw (Tray)	8	4	ND

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  - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- <sup>Δ</sup> Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- \* Exceeds Permissible Limit



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### Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability( $k=2$ ),  $w = U_{95}$ . The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit ( $T_U$ ):

Pass - when the measurement result is below  $T_U - U_{95}$

Fail - when the measurement result is above  $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band  $[T_U - U_{95}, T_U + U_{95}]$

For Lower Tolerance Limit ( $T_L$ ):

Pass - when the measurement result is above  $T_L + U_{95}$

Fail - when the measurement result is below  $T_L - U_{95}$

Inconclusive - when the measurement result is falling in guard band  $[T_L - U_{95}, T_L + U_{95}]$

### Sample Picture (As received)

Pic.1



Pic.2



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Pic.3



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