



**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 1 of 22

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:

E3194 STRAWBERRY DESSERT SET E3195 GREEN TEA DESSERT SET E3196 "SLURP-SLURP" UDON SET

Item No. : E3194, E3195, E3196

Country of Origin : CHINA

Country of Destination : GLOBAL

Client Reference Information : E3194A,E3195A,E3196A

Labeled Age Grading : 3Y+
Requested Age Grading : 3Y+

\*\*\*\*\*\*\*\*\*\*\*

Age Group Assessed by SGS As Per Age : OVER 2 YEARS FOR ITEM No.E3194 & E3195, OVER

Guideline 3 YEARS FOR ITEM No.E3196

Age Group Applied in Testing : OVER 2 YEARS FOR ITEM No. E3194 & E3195, OVER

3 YEARS FOR ITEM No.E3196

Sample Receiving Date : AUG 12, 2022 Further Information Dat : SEP 08,2022

Testing Period : AUG 12, 2022 TO SEP 02,2022





**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 2 of 22

Test	Test Requested					
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					
	<ul> <li>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</li> </ul>	PASS				
	- 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					
	US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	PASS				
3.	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				
4.	Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	PASS *				



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 3 of 22

Test	Requested	Conclusion
5.	CPSIA section 101 - Total Lead content	
	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS
	Client's Requirement – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS
	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.

\*\*\*\*\*\*\* 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** 





**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 4 of 22

#### 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:

<u>Clause</u>	<u>Description</u>	Result
4	Safety Requirements	
4.1	Material Quality **	Pass Pass
4.2	Flammability Test	<u>Pass</u>
		(See Result Page)
4.3	Toxicology	
4.3.2	Manufacturing and Packaging of Food	<u>N/A</u>
4.3.3	Indirect Food Additives	<u>N/A</u>
4.3.4	Cosmetics	N/A
4.3.5	Heavy Elements	
	4.3.5.1 Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass</u>
		(See Result Page)
	4.3.5.2 Heavy Metal in Substrate Materials	Pass Pass
		(See Result Page)
4.3.6	Cosmetic, Liquids, Pastes, Putties, Gels, Powders and Item of Avian Feather Origin	<u>N/A</u>
4.3.7	Stuffing Materials	N/A
4.3.8	DEHP (DOP)	N/A
4.4	Electrical/Thermal Energy	<u>N/A</u>
4.5	Sound-Producing Toys	<u>N/A</u>
4.6.1	Small Objects (only test for item No.E3194 & E3195)	<u>Pass</u>
4.6.2	Mouth-Actuated Toys	<u>N/A</u>
4.6.3	Labelling Requirements (for item No.E3196)	N/A(See Remark)
	Remark:The toy does not contain as-received small part	
4.7	Accessible Edges	<u>Pass</u>
4.8	Projections	<u>N/A</u>
4.9	Accessible Points	<u>Pass</u>
4.10	Wires or Rods	<u>N/A</u>
4.11	Nails and Fasteners	<u>Pass</u>
4.12	Plastic Film	N/A
4.13.1	Folding Mechanisms	<u>N/A</u>



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 5 of 22

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



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 6 of 22

<u>Clause</u> 5.7 5.8	Description Stroller and Carriage Toys Toys Intended to be Assembled by an Adult	Result N/A N/A
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	<u>N/A</u>
5.13	Art Materials	<u>N/A</u>
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	<u>N/A</u>
5.16	Promotional Materials	<u>Pass</u>
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 Toys	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	<u>Pass</u>
7.2	Battery-Powered Ride-on Toys	N/A
7.3	Toy Chests	N/A
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	Pass Pass
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	Pass
8.10	Compression Test	<u>Pass</u>
8.12	Flexure Test	N/A
8.16	Tension Test for Pompoms	<u>N/A</u>

N/A = Not Applicable

\*\* Visual Examination



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 7 of 22

#### Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample
E3194 STARWBERRY SET
E3195 GREEN TEA SET
E3196 UDON 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.

#### 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)					
ME	DL (ppm)			10	
То	tal Limit (ppm)			90	
Sp	ecimen Description	Alias No.	Tracing No.	Result(s) (ppm)	
1.	Multi-color coating on wood (Cake) + Brown coating on wood (Cake) w/ Dull red coating on wood (Cake)	4	1	ND	
2.	Light pink coating on wood (Cake) w/ Dull pink coating on wood (Face) + Dark pink coating on wood (Ice cream) + Pink coating on wood (Body)	4	2	ND	
3.	White coating on wood (Body) + Cream coating on wood (Board) + Red coating on hardboard (Body)	4	3	ND	
4.	Pale green w/ light green coating on wood (Bread, cake, straw) + Light apricot w/ dull blue coating on wood (Milky tea) + Apricot coating on polystone (Cup) w/ Dull blue coating on polystone (Cup)	4	4	ND	
5.	Green coating on wood (Body) + Dark blue coating on plastic (Bowl)	4	5	ND	
6.	Apricot-pink coating on wood (Fish patty) + Apricot-red coating on wood (Fish patty) + Black coating on wood (Seaweed) w/ Brown coating on wood (Knife)	4	6	ND	
7.	Brown w/ light brown, cream coating on wood (Mushroom) + Transparent lacquer coating on wood (Body) + Yellow w/ orange coating on wood (Body)	4	7	ND	



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 8 of 22

## Soluble Heavy Metal Content

Test Item(s)				Pb Sb As Ba Cd Cr Hg Se				Se			
MDL (ppm)				5 5 2.5 10 5 5 5 10				10			
Migration Li	Migration Limit (ppm)				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	11	45.7	ND	ND	ND	ND	ND	ND	ND	ND
2	1	12	/	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	21	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	22	/	ND	ND	ND	ND	ND	ND	ND	ND
7	1	23	/	ND	ND	ND	ND	ND	ND	ND	ND
8	1	31	42.4	ND	ND	ND	ND	ND	ND	ND	ND
9	1	32	42.8	ND	ND	ND	ND	ND	ND	ND	ND
10	1	33	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	34	/	ND	ND	ND	ND	ND	ND	ND	ND
12	1	35	32.9	ND	ND	ND	ND	ND	ND	ND	ND
13	1	38	/	ND	ND	ND	ND	ND	ND	ND	ND
14	1	39	11.6	ND	ND	ND	ND	ND	ND	ND	ND
15	1	40	/	ND	ND	ND	ND	ND	ND	ND	ND
16	1	41		ND	ND	ND	ND	ND	ND	ND	ND
17	1	42	42.8	ND	ND	ND	ND	ND	ND	ND	ND
18	1	43	/	ND	ND	ND	ND	ND	ND	ND	ND
19	1	46	/	ND	ND	ND	ND	ND	ND	ND	ND



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 9 of 22

## Specimen Description:

- 1. Multi-color coating on wood (Cake)
- 2. Brown coating on wood (Cake)
- 3. Light pink coating on wood (Cake)
- 4. Dark pink coating on wood (Ice cream)
- 5. Pale green coating on wood (Bread, cake)
- 6. Light apricot coating on wood (Milky tea)
- 7. Apricot coating on polystone (Cup)
- 8. Dark blue coating on plastic (Bowl)
- 9. Apricot-pink coating on wood (Fish patty)
- 10. Apricot-red coating on wood (Fish patty)
- 11. Black coating on wood (Seaweed)
- 12. Brown w/ light brown coating on wood (Mushroom)
- 13. Pink coating on wood (Body)
- 14. White coating on wood (Body)
- 15. Cream coating on wood (Board)
- 16. Red coating on hardboard (Body)
- 17. Green coating on wood (Body)
- 18. Transparent lacquer coating on wood (Body)
- 19. Yellow coating on wood (Body)



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Room (1-1-0ft) and 1-4 Room (1) Flant 2 Room (1) Flant 2 Room (1) Flant 3 Room (1) Flant 2 Room (1) Flant 3 Room (1) Flant 2 Room (1) Flant 3 Flant 3 Flant (1) Flant 3 Flant 3 Flant (1) Flant 3 Fl



**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 10 of 22

Note: - ppm = parts per million

- 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
- MDL = Method Detection Limit
- ND = Not Detected (lower than MDL)
- For soluble heavy metal content:

Result(s) of specimen No.13 is(are) extracted from report No. T52210262028TY.

Result(s) of specimen No.14 is(are) extracted from report No. T52110311130TY.

Result(s) of specimen No.15 is(are) extracted from report No. T52210250061TY.

Result(s) of specimen No.16 is(are) extracted from report No. T52210232001TY.

Result(s) of specimen No.17 is(are) extracted from report No. T52110300913TY.

Result(s) of specimen No.18 is(are) extracted from report No. T52110321297TY.

Result(s) of specimen No.19 is(are) extracted from report No. T52110322666TY.

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>A</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

Dull red coating on wood (Cake)

Dull pink (Face), dull blue (Milky tea), brown (Knife), orange (Shrimp), light green (Straw, cake), cream (Mushroom) coating on wood

Dull blue coating on polystone (Cup)



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 11 of 22

## 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	Result(s) (ppm)		
Red plastic (Base) + Off-white plastic (Ice cream) + Cream plastic (Connector)	2	1	ND
2. White soft plastic (Ice cream) + Pink soft plastic (Ice cream) + Brown soft plastic (Cake roll, base)	2	2	ND
Cream-yellow soft plastic (Cake roll) + Brown plastic (Base) +     Apricot plastic (Connector)	2	3	ND
4. Green plastic (Base) + Green soft plastic (Breadcover, cake roll, ice cream, base) + Pale green soft plastic (Ice cream)	2	4	ND
5. Dark blue plastic (Knife) + Off-white plastic (Spoon)	2	5	ND
6. Green felt w/ dark green printing, green fabric thread (Vegetable)	2	6	ND
7. Cream polystone (Cup) + White plastic (Bowl) + Dark blue soft plastic (Chopsticks)	3	1	ND



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 12 of 22

## Soluble Heavy Metal Content

Test Item(s)	ı			Pb	Sb	As	Ва	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	Alias	Tracing	Mass of trace		۷۷	uctod N	/ligratio	n Bosu	ult(c) (nu	nm)	
No.	No.	No.	amount (mg)		Auj	usteur	nigratio	iii Kesu	iit(s) (b	oiii)	
1	1	1	/	ND	10	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	5	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	6	/	ND	ND	ND	ND	ND	ND	ND	ND
7	1	7	/	ND	ND	ND	ND	ND	ND	ND	ND
8	1	8	/	ND	ND	ND	ND	ND	ND	ND	ND
9	1	9	/	ND	ND	ND	ND	ND	ND	ND	ND
10	1	10	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	16	82.9	ND	6	ND	ND	ND	ND	ND	ND
12	1	17	/	ND	ND	ND	ND	ND	ND	ND	ND
13	1	18	/	ND	ND	ND	ND	ND	ND	ND	ND
14	1	19	/	ND	ND	ND	ND	ND	ND	ND	ND
15	1	20	/	ND	ND	ND	ND	ND	ND	ND	ND
16	1	24	/	ND	ND	ND	ND	ND	ND	ND	ND
17	1	25	/	ND	ND	ND	ND	ND	ND	ND	ND
18	1	26	/	ND	ND	ND	ND	ND	ND	ND	ND
19	1	27	/	ND	ND	ND	ND	ND	ND	ND	ND
20	1	28	/	ND	ND	ND	ND	ND	ND	ND	ND
21	1	29	/	ND	ND	ND	ND	ND	ND	ND	ND
22	1	30	/	ND	ND	ND	ND	ND	ND	ND	ND
23	1	44	/	ND	ND	ND	ND	ND	ND	ND	ND
24	1	45	/	ND	ND	ND	ND	ND	ND	ND	ND



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 13 of 22

#### Specimen Description:

- 1. Pink felt (Ear)
- 2. Red plastic (Base)
- 3. Off-white plastic (Ice cream)
- 4. Cream plastic (Connector)
- 5. White soft plastic (Ice cream)
- 6. Pink soft plastic (Ice cream)
- 7. Brown soft plastic (Cake roll, base)
- 8. Cream-yellow soft plastic (Cake roll)
- 9. Brown plastic (Base)
- 10. Apricot plastic (Connector)
- 11. Black felt (Ear)
- 12. Green plastic (Base)
- 13. Green soft plastic (Breadcover, cake roll, ice cream, base)
- 14. Pale green soft plastic (Ice cream)
- 15. Cream polystone (Cup)
- 16. White woven cord (Noodle)
- 17. Orange felt (Shrimp)
- 18. Green felt w/ dark green printing, green fabric thread (Vegetable)
- 19. White plastic (Bowl)
- 20. Dark blue soft plastic (Chopsticks)
- 21. Dark blue plastic (Knife)
- 22. Off-white plastic (Spoon)
- 23. White hook and loop fastener
- 24. Yellow hook and loop fastener



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 14 of 22

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
- For soluble heavy metal content:

Result(s) of specimen No.23 is(are) extracted from report No. T52210260998TY.

Result(s) of specimen No.24 is(are) extracted from report No. T52210232007TY.

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

- <sup>A</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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Room (1-19ft) Hard 4 Room (1) Flant 2 Room (10, Flant 2 Room (10



**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 15 of 22

## **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

For Item No.E3194 & E3195:

	No. of	Sharp point	Sharp edge	
	sample	(16 CFR	(16 CFR	Small part
	tested	1500.48)	<u>1500.49)</u>	(16 CFR 1501)
As received	2	Pass	N/A	Pass
Impact test (16 CFR 1500.52b)	2	Pass	N/A	Pass
Bite test (16 CFR 1500.52c)	2	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)	2	Pass	N/A	Pass
Tension test (16 CFR 1500.52f)	2	Pass	N/A	Pass
Compression test (16 CFR	0	N/A	N/A	N/A
1500.53g)				

N/A = Not Applicable





**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 16 of 22

## **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

For Item No.E3196:

	No. of	Sharp point	Sharp edge	
	sample	(16 CFR	(16 CFR	Small part
	tested	1500.48)	<u>1500.49)</u>	(16 CFR 1501)
As received	1	Pass	Pass	N/A
Impact test (16 CFR 1500.53b)	1	Pass	Pass	N/A
Bite test (16 CFR 1500.52c)	0	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)	1	Pass	Pass	N/A
Tension test (16 CFR 1500.53f)	1	Pass	Pass	N/A
Compression test (16 CFR	1	Pass	Pass	N/A
1500.53g)				

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
E3194 STARWBERRY SET
E3195 GREEN TEA SET
0.03
E3196 UDON 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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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 17 of 22

## 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

Te	st Item(s)	Lead (Pb)		
Pe	90			
Sp	ecimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1.	Multi-color coating on wood (Cake) + Brown coating on wood (Cake) w/ Dull red coating on wood (Cake)	5	1	ND
2.	Light pink coating on wood (Cake) w/ Dull pink coating on wood (Face) + Dark pink coating on wood (Ice cream) + Pink coating on wood (Body)	5	2	ND
3.	White coating on wood (Body) + Cream coating on wood (Board) + Red coating on hardboard (Body)	5	3	ND
4.	Pale green w/ light green coating on wood (Bread, cake, straw) + Light apricot w/ dull blue coating on wood (Milky tea) + Apricot coating on polystone (Cup) w/ Dull blue coating on polystone (Cup)	5	4	ND
5.	Green coating on wood (Body) + Dark blue coating on plastic (Bowl)	5	5	ND
6.	Apricot-pink coating on wood (Fish patty) + Apricot-red coating on wood (Fish patty) + Black coating on wood (Seaweed) w/ Brown coating on wood (Knife)	5	6	ND
7.	Brown w/ light brown, cream coating on wood (Mushroom) + Transparent lacquer coating on wood (Body) + Yellow w/ orange coating on wood (Body)	5	7	ND

Note: - ppm = parts per million

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit = 10 ppm

- 1% = 10000 mg/kg = 10000 ppm



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 18 of 22

As specified in 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.

## 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

Те	st Item(s)	Lead (Pb)		
Pe	rmissible Limit (ppm)	90		
Cli	ent's Limit(ppm)	40		
Sp	pecimen Description Alias Tracing No. No.		Result(s) (ppm)	
1.	Multi-color coating on wood (Cake) + Brown coating on wood (Cake) w/ Dull red coating on wood (Cake)	8	1	ND
2.	Light pink coating on wood (Cake) w/ Dull pink coating on wood (Face) + Dark pink coating on wood (Ice cream) + Pink coating on wood (Body)	8	2	ND
3.	White coating on wood (Body) + Cream coating on wood (Board) + Red coating on hardboard (Body)	8	3	ND
4.	Pale green w/ light green coating on wood (Bread, cake, straw) + Light apricot w/ dull blue coating on wood (Milky tea) + Apricot coating on polystone (Cup) w/ Dull blue coating on polystone (Cup)	8	4	ND
5.	Green coating on wood (Body) + Dark blue coating on plastic (Bowl)	8	5	ND
6.	Apricot-pink coating on wood (Fish patty) + Apricot-red coating on wood (Fish patty) + Black coating on wood (Seaweed) w/ Brown coating on wood (Knife)	8	6	ND
7.	Brown w/ light brown, cream coating on wood (Mushroom) + Transparent lacquer coating on wood (Body) + Yellow w/ orange coating on wood (Body)	8	7	ND



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 19 of 22

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>^</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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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 20 of 22

## 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)	<b>Lead (Pb)</b> 100		
Permissible Limit **(ppm)			
Client's Limit(ppm)	40		
Specimen Description		Tracing No.	Result(s) (ppm)
<ol> <li>Red plastic (Base) + Off-white plastic (Ice cream) + Cream plastic (Connector)</li> </ol>	6	1	ND
2. White soft plastic (Ice cream) + Pink soft plastic (Ice cream) + Brown soft plastic (Cake roll, base)	6	2	ND
<ol> <li>Cream-yellow soft plastic (Cake roll) + Brown plastic (Base) + Apricot plastic (Connector)</li> </ol>	6	3	ND
4. Green plastic (Base) + Green soft plastic (Breadcover, cake roll, ice cream, base) + Pale green soft plastic (Ice cream)	6	4	ND
5. Dark blue plastic (Knife) + Off-white plastic (Spoon)	6	5	ND
6. Green felt w/ dark green printing, green fabric thread (Vegetable)	6	6	ND
<ol><li>Cream polystone (Cup) + White plastic (Bowl) + Dark blue soft plastic (Chopsticks)</li></ol>	7	1	ND

<sup>\*\*</sup> Permissible Limit applies to a children's product manufactured after 14 August 2011 (Public Law 110-314 (Consumer Product Safety Improvement Act of 2008) and its Amendments Public Law 112-28)



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**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 21 of 22

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:

- <sup>△</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

N.B.: - Only applicable clauses were shown.

#### 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<sub>95</sub>. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (Tu):

Pass - when the measurement result is below T<sub>U</sub>-U<sub>95</sub>

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<sub>L</sub>):

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

Fail - when the measurement result is below T<sub>L</sub>-U<sub>95</sub>

Inconclusive - when the measurement result is falling in guard band [T<sub>L</sub>-U<sub>95</sub>, T<sub>L</sub>+U<sub>95</sub>]



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Room 19-501, Pam 4 & Room 191, Pam 2 & Room 191, Pam 3 & Room 301-501, Plant 3, Jacophao (Barrian) Industrial Plant Atea, No.501, shua Rood, Barrian Chmunity, Bantian Street, Longsang District, Shendhen, Guangdong, China 518129 www.spsgroup.com.cr 中国。广东·深圳市龙岗区坂田街道坂田社区吉华路 430 号江源(坂田)工业厂区厂房 4 号 101-901、2 号 101、3 号 101、3 号 301-501 邮第:518129 t (86-755) 25328888 sgs.china@sgs.com



**Test Report** No.: T52210300607TY Date: SEP 14, 2022 Page 22 of 22

Sample Picture (As received)





Pic.3



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*



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