



中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T52210262077TY

Date: JUN 24, 2022

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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:

E3183 MY FIRST BAKING OVEN

Item No. : E3183
Country of Origin : CHINA
Country of Destination : GLOBAL
Client Reference Information : E3183A
Labeled Age Grading : 3Y+
Requested Age Grading : 3Y+

Age Group Assessed by SGS As Per Age : OVER 3 YEARS
Guideline
Age Group Applied in Testing : OVER 3 YEARS
Sample Receiving Date : APR 25, 2022
Last Submission Sample Date : JUN 14, 2022
Testing Period : APR 25, 2022 TO JUN 24, 2022



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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: <ul style="list-style-type: none"> 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.	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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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 paint/similar surface coating material	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



T52210262077TY

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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	N/A
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Labelling Requirements	N/A
	Remark: The toy does not contain as-received small part.	(See Remark)
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



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Clause	Description	Result
4.12	Plastic Film	Pass
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-Line Clearance	N/A
	(Remark : Not applicable because of the weight of movable part link with hinge is less than 0.5lb.)	
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 (Non-rechargeable battery)	Pass*
	*Retest samples were submitted on Jun 14, 2022.	
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	N/A
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



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Clause	Description	Result
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
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	N/A
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	Pass*
	*Retest samples were submitted on Jun 14, 2022.	
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	Pass
7.2	Battery-Powered Ride-on Toys	N/A
7.3	Toy Chests	N/A



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Clause	Description	Result
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

N/A = Not Applicable

** Visual Examination

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample	Burning Rate (inch/sec)
E3183 MY FIRST BAKING OVEN	DNI

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.

DNI = Did Not Ignite



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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 w/ light red, white coating on wood (Block) + Transparent lacquer w/ light blue coating on wood (Block) + Transparent lacquer w/ pale orange, bright dark orange coating on wood (Block)	2	1	15
2. Dull green coating on wood (Board) w/ Dark red coating on wood (Board) + Transparent lacquer w/ white coating on wood (Board) w/ Dull grey coating on wood (Board)	2	2	ND
3. Transparent lacquer w/ orange, bright coffee, bright light orange coating on wood (Block) + Transparent lacquer on wood (Board) w/ Light grey coating on wood (Board) w/ Coffee coating on wood (Logo)	2	3	ND

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	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	5	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	10	31.9	ND	ND	ND	ND	ND	ND	ND	ND
7	1	12	/	ND	ND	ND	ND	ND	ND	ND	ND
8	1	13	79.2	ND	ND	ND	ND	ND	ND	ND	ND
9	1	16	/	ND	ND	ND	ND	ND	ND	ND	ND



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Specimen Description:

1. Transparent lacquer w/ light red, white coating on wood (Block)
2. Transparent lacquer w/ light blue coating on wood (Block)
3. Transparent lacquer w/ pale orange coating on wood (Block)
4. Dull green coating on wood (Board)
5. Transparent lacquer w/ white coating on wood (Board)
6. Light grey coating on wood (Board)
7. Transparent lacquer w/ orange coating on wood (Block)
8. Dark red coating on wood (Board)
9. Transparent lacquer on wood (Board)

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.7-No.8 is(are) extracted from report No.T52210241079TY
Result(s) of specimen No.9 is(are) extracted from report No.T52110321297TY

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 grey coating on wood (Board)

Coffee coating on wood (Logo), bright coffee, bright dark orange, bright light orange coating on wood (Block)



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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. Transparent brown plastic (ABS) (Cover) + Light grey plastic (Shell) + Red plastic (PP) (Shell, battery cover)	3	1	ND
2. Transparent plastic (Cover) + Red plastic (Knob)	3	2	ND
3. Cream plywood	3	3	ND
4. Silvery metal big screw	7	1	ND
5. Silvery metal small screw	7	2	ND

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	6	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	7	/	ND	ND	ND	ND	ND	ND	ND	ND
3	1	8	/	ND	ND	ND	ND	ND	ND	ND	ND
4	1	9	/	ND	ND	ND	ND	ND	ND	ND	ND
5	1	14	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	15	/	ND	ND	ND	ND	ND	ND	ND	ND



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Specimen Description:

1. Transparent brown plastic (ABS) (Cover)
2. Light grey plastic (Shell)
3. Red plastic (PP) (Shell, battery cover)
4. Transparent plastic (Cover)
5. Red plastic (Knob)
6. Cream plywood

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

Result(s) of specimen No.5-No.6 is(are) extracted from report No.T52210251514TY



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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	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 1500.53g)	1	Pass	Pass	N/A

N/A = Not Applicable



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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
E3183 MY FIRST BAKING OVEN

Burning Rate (inch/sec)
DNI

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.

DNI = Did Not Ignite

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 w/ light red, white coating on wood (Block) + Transparent lacquer w/ light blue coating on wood (Block) + Transparent lacquer w/ pale orange, bright dark orange coating on wood (Block)	4	1	15
2. Dull green coating on wood (Board) w/ Dark red coating on wood (Board) + Transparent lacquer w/ white coating on wood (Board) w/ Dull grey coating on wood (Board)	4	2	ND
3. Transparent lacquer w/ orange, bright coffee, bright light orange coating on wood (Block) + Transparent lacquer on wood (Board) w/ Light grey coating on wood (Board) w/ Coffee coating on wood (Logo)	4	3	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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As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label found on the packaging:

- 1) Name: Hape International AG
- 2) Location: Made in China, YH0117
- 3) Date: 03/22
- 4) Cohort information: 03/22

- Tracking label found on the product:

- 1) Name: Hape International AG
- 2) Location: Made in China, YH0117
- 3) Date: 03/22
- 4) Cohort information: 03/22

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

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 w/ light red, white coating on wood (Block) + Transparent lacquer w/ light blue coating on wood (Block) + Transparent lacquer w/ pale orange, bright dark orange coating on wood (Block)	5	1	15
2. Dull green coating on wood (Board) w/ Dark red coating on wood (Board) + Transparent lacquer w/ white coating on wood (Board) w/ Dull grey coating on wood (Board)	5	2	ND
3. Transparent lacquer w/ orange, bright coffee, bright light orange coating on wood (Block) + Transparent lacquer on wood (Board) w/ Light grey coating on wood (Board) w/ Coffee coating on wood (Logo)	5	3	ND



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

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. Transparent brown plastic (ABS) (Cover) + Light grey plastic (Shell) + Red plastic (PP) (Shell, battery cover)	6	1	ND
2. Transparent plastic (Cover) + Red plastic (Knob)	6	2	ND
3. Cream plywood	6	3	ND
4. Silvery metal big screw	8	1	ND
5. Silvery metal small screw	8	2	ND

** 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)

- Note:
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 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm



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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 $[T_L - U_{95}, T_L + U_{95}]$



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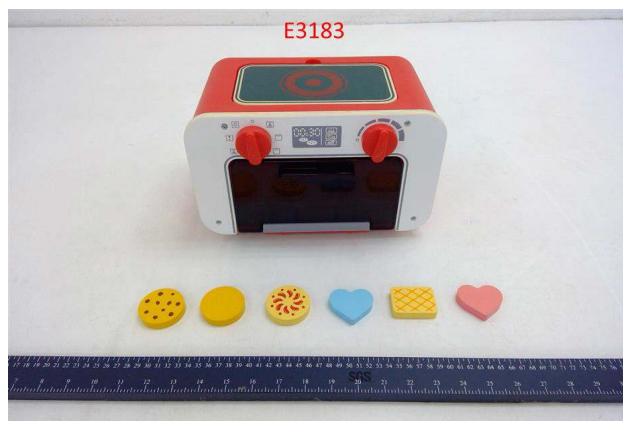
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