



中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 1 of 12

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:

E1619 JUNGLE ANIMAL BLOCK PUZZLE
E0452 FRIENDSHIP PUZZLE BLOCKS

Item No. : E1619, E0452
ASIN NO. : B071JVBMQ9,B01N4NJ2WP
Country of Destination : GLOBAL
Client Reference Information : E1619A,E0452A

Labeled Age Grading : 24M+
Requested Age Grading : 24M+

Age Group Assessed by SGS As Per Age : OVER 24 MONTHS
Guideline
Age Group Applied in Testing : OVER 24 MONTHS
Sample Receiving Date : APR 25, 2022
Testing Period : APR 25, 2022 TO MAY 25, 2022



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 2 of 12

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



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 3 of 12

Test Requested		Conclusion
4.	Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	PASS*
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)	NOT APPLICABLE (SEE REMARK 2)

Remark 1: Test item (s) with "*" is (are) not accredited by CNAS

Remark 2: According to 16CFR Part 1500.91 Determinations Regulation Lead Content for Certain Materials or Products under Section 101 of CPSIA, the materials in the submitted samples fall into the exemption scope of total lead in substrate, the exemptions include paper and similar materials derived from wood or other cellulosic fiber, Natural and Untreated Wood, Textile

***** 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



Huang Yao, Lucy
Section Head
CNAS Approved Signatories



Qu Ping, Kiky
Dept. Manager
CNAS Approved Signatories



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 4 of 12

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	N/A
		(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	N/A
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	N/A
4.12	Plastic Film	N/A
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-Line Clearance	N/A
4.14	Cords, Straps and Elastic	N/A
4.15	Stability and Over-Load Requirements	N/A



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 5 of 12

Clause	Description	Result
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	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	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
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



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 6 of 12

Clause	Description	Result
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	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	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	N/A
8.12	Flexure Test	N/A
8.16	Tension Test for Pompoms	N/A

N/A = Not Applicable

** Visual Examination



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 7 of 12

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample

E1619 JUNGLE ANIMAL BLOCK PUZZLE

E0452 FRIENDSHIP PUZZLE BLOCKS

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

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. Multi-color w/ transparent lacquer coating on wood (Puzzle) + Transparent lacquer coating on wood (Puzzle) + Multi-color coating on paper (Instruction)	3	1	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	16	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



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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 8 of 12

Specimen Description:

1. Transparent lacquer coating on wood (Puzzle)
2. Multi-color w/ transparent lacquer coating on wood (Puzzle)
3. Multi-color coating on paper (Instruction)

Note:

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

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

Not Applicable

Remark: According to ASTM F963-17 Clause 4.3.5.2(1)(e) and 16CFR Part 1500.91, all substrate materials in the submitted samples fall into the exemption scope of total lead in substrate, the exemptions include paper and similar materials derived from wood or other cellulosic fiber, Natural and Untreated Wood, Textile

The submitted samples fall into the exemption scope of soluble heavy elements if contained paper and paperboard (According to ASTM F963-17 Clause 4.3.5.2(1)(e)) and/or unfinished and untreated wood (According to 16CFR Part 1251).



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Member of the SGS Group (SGS SA)

Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 9 of 12

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

	<u>No. of sample tested</u>	<u>Sharp point (16 CFR 1500.48)</u>	<u>Sharp edge (16 CFR 1500.49)</u>	<u>Small part (16 CFR 1501)</u>
As received	4	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 1500.52e)	2	Pass	N/A	Pass
Tension test (16 CFR 1500.53f)	2	Pass	N/A	Pass
Compression test (16 CFR 1500.53g)	0	N/A	N/A	N/A

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

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>
E1619 JUNGLE ANIMAL BLOCK PUZZLE	DNI
E0452 FRIENDSHIP PUZZLE BLOCKS	

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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Test Report

No.: T52210262090TY

Date: MAY 25, 2022

Page 10 of 12

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. Multi-color w/ transparent lacquer coating on wood (Puzzle) + Transparent lacquer coating on wood (Puzzle) + Multi-color coating on paper (Instruction)	4	1	ND

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

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: HOPE
 - 2) Location: MADE IN CHINA
P2122402895 NBCN12/2021
P2122402886 NBCN12/2021
 - 3) Date: P2122402895 NBCN12/2021
P2122402886 NBCN12/2021
 - 4) Cohort information: P2122402895 NBCN12/2021
P2122402886 NBCN12/2021
- Tracking label found on the product: N/A

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.

N/A = Not Applicable



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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. Multi-color w/ transparent lacquer coating on wood (Puzzle) + Transparent lacquer coating on wood (Puzzle) + Multi-color coating on paper (Instruction)	5	1	ND

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

Remark:

- 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.
- 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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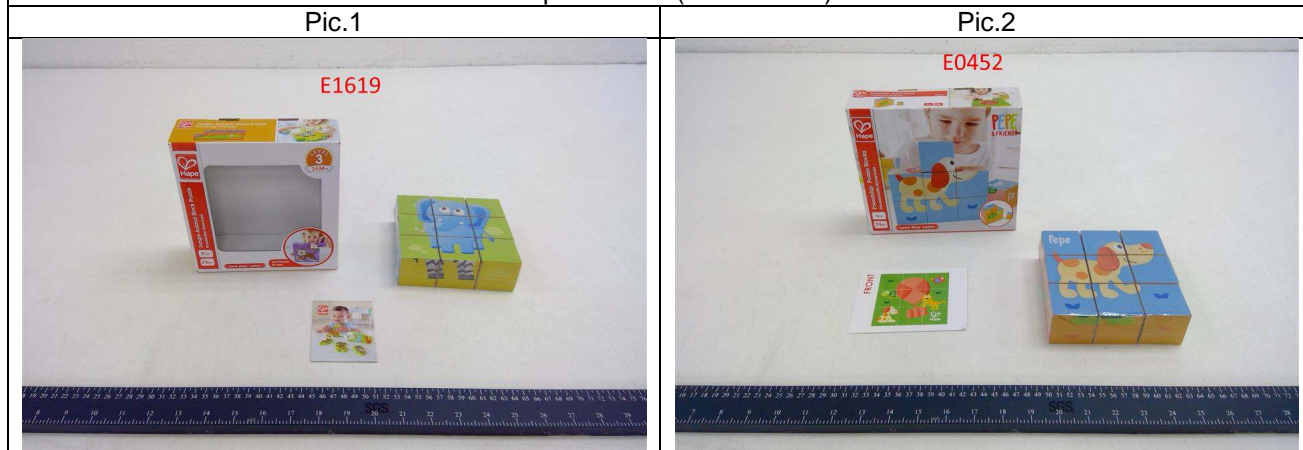
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Sample Picture (As received)



SGS authenticate the photo on original report only

*** End of Report ***

