

Test Report

No.: SHHL2308041850TY

Date: AUG. 24, 2023

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

Sample Description : CHEERY CRITTER RATTLE TRIO/ SNOWY TEETHER
Sample Quantity : 16 SETS
Style / Item No. : E0123/ E0122
Country of Origin : CHINA
Country of Destination : GLOBAL
E0123: 0- 24 MONTHS
Labeled Age Grading : E0122: 0- 18 MONTHS
Requested Age Grading : 0-24M/0-18M
Client Reference Information : E0123K/ E0122K

Source of Sample : SENT BY CLIENT.
Age Group Assessed as Per Age Guideline : ALL AGES
Age Group Applied in Testing : ALL AGES
Sample Receiving Date : AUG. 15, 2023
Further Information Date : AUG. 23, 2023
Testing Period : AUG. 15, 2023 TO AUG. 24, 2023

Test Requested	Result
ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	Pass
Lead(Pb)	Pass
CPSIA section 101(f) - Lead in paint/similar surface coating material	Pass
Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material	Pass
CPSIA section 101(a)(2) - Lead in accessible substrate materials	Pass
Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 and US CPSC 16 CFR 1501	Pass
US CPSC 16 CFR 1500.19 – Misbranded toys and other articles intended for use by children	N/A
US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	Pass
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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Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jessie Zhou



Jessie Zhou
Authorized Signatory



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Test Result

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 Detail of test result)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	Pass (See Detail of test result)
4.3.5.2	Heavy Metal in Substrate Materials	Pass (See Detail of test result)
4.3.8	DEHP (DOP)	Pass
4.5	Sound-Producing Toys	Pass
4.6.1	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.22	Teethers and Teething Toys	Pass
4.23	Rattles	Pass
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	Pass
5.16	Promotional Materials	Pass
7	Producer's Markings	
7.1	Producer's Markings	Pass
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

** Visual Examination



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Detail of test result:

ASTM F963-17, Clause 4.2 – Flammability Test Flammability Test on Solid

Sample

RATTLE TEETHER

Burning Rate (inch/sec)

0.02

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.

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA23-0127121-0001.C001	White coating
SN2	A2	SHA23-0127121-0001.C002	Black coating
SN3	A3	SHA23-0127121-0001.C003	Pink coating
SN4	A4	SHA23-0127121-0001.C004	Blue-green coating
SN5	A5	SHA23-0127121-0001.C005	Orange coating
SN6	A6	SHA23-0127121-0001.C006	Pink ASB
SN7	A7	SHA23-0127121-0001.C007	Blue-green ABS
SN8	A8	SHA23-0127121-0001.C008	Yellow ABS
SN9	A9	SHA23-0127121-0001.C009	Pink silicone
SN10	A10	SHA23-0127121-0001.C010	Blue-green silicone
SN11	A11	SHA23-0127121-0001.C011	Yellow silicone
SN12	A12	SHA23-0127121-0001.C012	Light blue silicone
SN13	A13	SHA23-0127121-0001.C013	White TPE
SN14	A14	SHA23-0127121-0001.C014	Natural color solid wood
SN15	A6+A7+A8	SHA23-0127121-0002	Pink ASB + Blue-green ABS + Yellow ABS
SN16	A9+A10+A11	SHA23-0127121-0003	Pink silicone + Blue-green silicone + Yellow silicone
SN17	A12+A13	SHA23-0127121-0004	Light blue silicone + White TPE

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated



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Lead(Pb)

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Lead(Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Lead(Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A7	A8	A9
Lead(Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A10	A11	A12
Lead(Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A13
Lead(Pb)	40	mg/kg	2	ND
Conclusion				Pass

Notes:

The maximum permissible limit is quoted from the client requirement.

American Society for Testing and Materials - ASTM F963-17 - total Lead in paint and similar surface-coating materials

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass



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Test Item(s)	Limit	Unit(s)	MDL	A4	A5
Total Lead (Pb)	90	mg/kg	20	ND	ND
Conclusion				Pass	Pass

CPSIA section 101(f) - Lead in paint/similar surface coating material

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Lead (Pb)	0.009	%	0.0020	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A4	A5
Lead (Pb)	0.009	%	0.0020	ND	ND
Conclusion				Pass	Pass

Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Lead(Pb)	0.009	%	0.0020	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A4	A5
Lead(Pb)	0.009	%	0.0020	ND	ND
Conclusion				Pass	Pass

CPSIA section 101(a)(2) - Lead in accessible substrate materials

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A6	A7	A8
Lead (Pb)	0.01	%	0.0020	ND	ND	ND
Conclusion				Pass	Pass	Pass



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Test Item(s)	Limit	Unit(s)	MDL	A9	A10	A11
Lead (Pb)	0.01	%	0.0020	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A12	A13
Lead (Pb)	0.01	%	0.0020	ND	ND
Conclusion				Pass	Pass

American Society for Testing and Materials - ASTM F963-17 - total Lead in Substrate Materials

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A6	A7	A8
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A9	A10	A11
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A12	A13
Total Lead (Pb)	100	mg/kg	20	ND	ND
Conclusion				Pass	Pass

American Society for Testing and Materials - ASTM F963-17 - soluble Heavy Metal for paint and similar surface-coating materials

Test Method: With reference to ASTM F 963-17 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1*	A2*	A3*
Soluble Lead (Pb)	90	mg/kg	5	-	-	-
Soluble Antimony (Sb)	60	mg/kg	5	-	-	-
Soluble Arsenic (As)	25	mg/kg	2.5	-	-	-
Soluble Barium (Ba)	1000	mg/kg	10	-	-	-
Soluble Cadmium (Cd)	75	mg/kg	5	-	-	-
Soluble Chromium (Cr)	60	mg/kg	5	-	-	-
Soluble Mercury (Hg)	60	mg/kg	5	-	-	-
Soluble Selenium (Se)	500	mg/kg	10	-	-	-
Conclusion				Pass	Pass	Pass



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Test Item(s)	Limit	Unit(s)	MDL	A4*	A5
Soluble Lead (Pb)	90	mg/kg	5	-	ND
Soluble Antimony (Sb)	60	mg/kg	5	-	ND
Soluble Arsenic (As)	25	mg/kg	2.5	-	ND
Soluble Barium (Ba)	1000	mg/kg	10	-	ND
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND
Soluble Chromium(Cr)	60	mg/kg	5	-	ND
Soluble Mercury (Hg)	60	mg/kg	5	-	ND
Soluble Selenium (Se)	500	mg/kg	10	-	ND
Conclusion				Pass	Pass

Notes:

- (1) Results shown are of the adjusted analytical results.
- (2) Mass of trace amount of sample A5 is 32.1mg.
- (3) *As received, the test portion is less than 10 mg, therefore such components were not tested for migration of certain elements, as specified in the ASTM F963-17 Clause 8.3.3.6 (2)-selection of test portions.

American Society for Testing and Materials - ASTM F963-17 - soluble Heavy Metal for Substrate Materials

Test Method: With reference to ASTM F 963-17 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A6	A7	A8
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A9	A10	A11
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND



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Test Item(s)	Limit	Unit(s)	MDL	A9	A10	A11
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A12	A13	A14
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Notes:

(1) Results shown are of the adjusted analytical results.

American Society for Testing and Materials - ASTM F963-17-Bis-(2-ethylhexyl) Phthalate (DEHP)

Test Method: With reference to ASTM D 3421-75, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A6+A7+A8	A9+A10+A11	A12+A13
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	3	%	0.005	ND	ND	ND
Conclusion					Pass	Pass	Pass

Remark:

(1) Test was conducted on composite of random parts of the item as per client's request.

(2) The test results A5 are taken from report SHA23-0113505-0001.C010(A10)

The test results A6+A7+A8 are taken from report SHA23-0127202-0002(A1+A2+A3)

The test results A9+A10+A11 are taken from report SHA23-0127202-0002(A4+A5+A6)

The test results A12+A13 are taken from report SHA23-0127202-0002(A7+A8)

The test results A14 are taken from report SHA23-0069159-0001.C012(A12)

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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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	2	Pass	Pass	Pass
Impact test (16 CFR 1500.51b)	2	Pass	Pass	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	Pass	Pass
Tension test (16 CFR 1500.53f)	2	Pass	Pass	Pass
Compression test (16 CFR 1500.53g)	0	N/A	N/A	N/A

N/A = Not Applicable

US CPSC 16 CFR 1500.19 – MISBRANDED TOYS AND OTHER ARTICLES INTENDED FOR USE BY CHILDREN

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>
RATTLE TEETHER	0.02

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.

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 declaration of conformity is based on acceptance limits chosen based on simple acceptance ($w = 0$, $AL = TL$).

Statements of conformity are reported as:

Passed - The measured values were observed in tolerance at the points tested.

Failed - One or more measured values were observed out of tolerance at the points tested.



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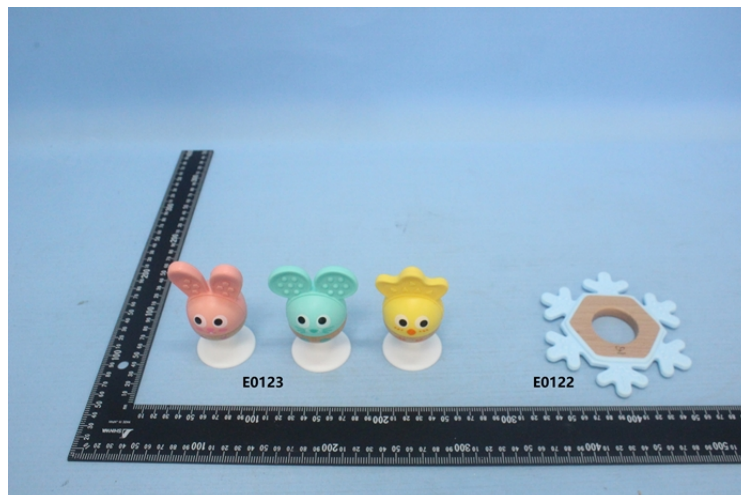
Test Report

No.: SHHL2308041850TY

Date: AUG. 24, 2023

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Sample Photo:



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*** End of Report ***



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