

## Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 1 of 9

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

Sample Description : HAPPY HATCHLINGS WOBBLE RATTLES  
Sample Quantity : 6 SETS  
Style / Item No. : E0124  
Country of Origin : CHINA  
Country of Destination : GLOBAL  
Labeled Age Grading : 0-24 MONTHS  
Requested Age Grading : 0-24 M  
Client Reference Information : E0124K

\*\*\*\*\*

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. 26, 2023  
Further Information Date : SEP. 05, 2023  
Testing Period : AUG. 26, 2023 TO SEP. 06, 2023

Test Requested	Result
ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	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
Rattle test (16 CFR 1510)	Pass
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	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
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

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 Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 2 of 9

## 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)
4.3.7	Stuffing Materials	Pass
4.3.8	DEHP (DOP)	Pass (See Detail of test result)
4.5	Sound-Producing Toys	Pass
4.6.1	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.11	Nails and Fasteners	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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# Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 3 of 9

## Detail of test result:

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

Sample  
HAPPY HATCHLINGS WOBBLER RATTLES

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

## 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 1500.51b)	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 1500.53f)	3	Pass	Pass	Pass
Compression test (16 CFR 1500.53g)	0	N/A	N/A	N/A

N/A = Not Applicable

Rattle test (16 CFR 1510)

Pass

US CPSC 16 CFR 1500.19 – MISBRANDED TOYS AND OTHER ARTICLES INTENDED FOR USE BY CHILDREN  
NOT APPLICABLE



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# Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 4 of 9

## 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  
HAPPY HATCHLINGS WOBBLE RATTLES

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

## 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.

### Test Result(s):

#### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA23-0136801-0001.C001	Black coating
SN2	A2	SHA23-0136801-0001.C002	White coating
SN3	A3	SHA23-0136801-0001.C003	Red coating
SN4	A4	SHA23-0136801-0001.C004	Orange coating
SN5	A5	SHA23-0136801-0001.C005	Green coating
SN6	A6	SHA23-0136801-0001.C006	Blue coating
SN7	A7	SHA23-0136801-0001.C007	White silicone
SN8	A8	SHA23-0136801-0001.C008	Yellow ABS
SN9	A9	SHA23-0136801-0001.C009	Green ABS
SN10	A10	SHA23-0136801-0001.C010	Blue ABS
SN11	A11	SHA23-0136801-0001.C011	Beige ABS
SN12	A8+A9	SHA23-0136801-0002	Yellow ABS + Green ABS
SN13	A10+A11	SHA23-0136801-0003	Blue ABS + Beige ABS



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# Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 5 of 9

## Remarks:

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

## 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
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

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

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

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

## 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
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>



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# Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 6 of 9

## 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
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Lead (Pb)	0.009	%	0.0020	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

## 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
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Lead(Pb)	0.009	%	0.0020	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

## 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	A7	A8	A9
Lead (Pb)	0.01	%	0.0020	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A10	A11
Lead (Pb)	0.01	%	0.0020	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>

## 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	A7	A8	A9
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>



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# Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 7 of 9

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

## 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	-	-	-
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A4	A5*	A6*
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	-	-
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Notes:

- (1) Results shown are of the adjusted analytical results.
- (2) Mass of trace amount of sample A4 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	A7	A8	A9
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND



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# Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 8 of 9

Test Item(s)	Limit	Unit(s)	MDL	A7	A8	A9
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
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A10	A11
Soluble Lead (Pb)	90	mg/kg	5	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>

## 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	A7	A8+A9	A10+A11
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	3	%	0.005	ND	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

## Remark:

(1) The test results A1 (DEHP) are taken from report SHA23-0127121-0001.C002(A2)

The test results A2 (DEHP) are taken from report SHA23-0127121-0001.C001(A1)

The test results A4 (DEHP) are taken from report SHA23-0113505-0001.C010(A10)

The test results A8 (DEHP) are taken from report SHA23-0127121-0001.C008(A8)

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

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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4<sup>th</sup> Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86) 400 960 9661 f (86-21) 6115 6899 www.sgs.com.cn  
中国·上海·徐汇区宜山路889号4号楼 邮编: 200233 t (86) 400 960 9661 f (86-21) 6115 6899 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



## Test Report

No.: SHHL2308044325TY

Date: SEP. 06, 2023

Page 9 of 9

### 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.

### Sample Photo:



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



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4<sup>th</sup> Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233  
中国·上海·徐汇区宜山路889号4号楼 邮编: 200233

t (86) 400 960 9661 f (86-21) 6115 6899  
t (86) 400 960 9661 f (86-21) 6115 6899

www.sgsgroup.com.cn  
e sgs.china@sgs.com