

Report No.: **244358422b 001**

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Client: **HAPPY ARTS&CRAFTS (NINGBO) CO.,LTD**

Contact Information: HAPE INTERNATIONAL (NINGBO) LTD.
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO,
CHINA

Test item(s): Toy

Identification/ Please refer to detail list

Model No(s):

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2021-09-06

Testing Period: 2021-09-06 to 2021-09-09

Place of testing: Chemical laboratory Shanghai, Toys laboratory Shanghai

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

Packaging provided: Yes

The provided age grade of the item: M001: Over 12 months; M002-M006: For all ages.

The appropriate age grade of the item: M001: Over 10 months; M002-M006: For all ages.

The item was tested: M001: Over 10 months; M002-M006: For all ages.

*As per client's requirement

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2021-09-28

Gary Zhu / Assistant Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Test Result Summary :**Test Specification:**

- 1 ASTM F963-17: Mechanical and physical
- 2 ASTM F963-17: Flammability on solids and soft toys
- 3 CPSIA Sect 103: Tracking label
- 4 ASTM F963-17 Sect. 4.3.5.2 and CPSIA Sect. 101: Total lead content in substrate materials
- 5 ASTM F963-17 Sect. 4.3.5.1 and CPSIA Sect. 101: Total lead content in paint and coating materials
- 6 ASTM F963-17 Sect. 4.3.5.1 and 4.3.5.2 : Soluble heavy metal
- 7 Total Lead Content*

Test result:

PASS
PASS
PASS
PASS
PASS
PASS
PASS



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ASIN NO	Item No	EN Item Name	CN Item Name	Age
B07MXZQS2D	E0360,E0360A	Baby Bird Pull Along	拖拉小鸟	12M+
B081BK4DPB	E0024,E0024A	Rattling Rings Teether	摇摇环牙胶	0Y+
	E0025,E0025A	Ring Rattle	摇铃握环	0Y+
	E0026,E0026A	Teether Ring	牙胶环	0Y+
B081DGSJLZ	E0027,E0027A	Rattle&TeetherCollection	摇铃&牙胶三件套	0Y+
	E0028,E0028A	Flowerini	花仙女摇铃布偶	0M+



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Material List:

Item: Please refer to detail list

Material No.	Material	Color	Location	Remark
M001	Whole Product	Multi-color	E0360,E0360A	
M002	Whole Product	Multi-color	E0024,E0024A	
M003	Whole Product	Multi-color	E0025,E0025A	
M004	Whole Product	Multi-color	E0026,E0026A	
M005	Whole Product	Multi-color	E0027,E0027A	
M006	Whole Product	Multi-color	E0028,E0028A	
M007	Wood	Nature	Solid Wood	Refer to 244357923/M007
M008	Coating	Transparent	On wood, E0360	Refer to 244357923/M015
M009	Coating	Brown	On wood, E0360	Refer to 244346170/M015
M010	Coating	Black	On wood, E0360	Refer to 244357923/M013
M011	Coating	Red	On wood, E0360	Refer to 244357923/M010
M012	Coating	White	On wood, E0360	Refer to 244357923/M011
M013	Coating	Dk.blue	On wood, E0360	
M014	Coating	Black	On plastic, E0360	Refer to 244346170/M017
M015	Coating	White	On plastic, E0360	Refer to 244346170/M016
M016	Plastic	Yellow	ABS bird's mouth, E0360	
M017	Plastic	Red	ABS bird's body, E0360	Refer to 244357923/M025
M018	Plastic	Yellow	Silicone bird's tail, E0360	
M019	Plastic	Dk.blue	TPE wheels, E0360	
M020	Plastic	Pink	PP ring, E0024&E0025&E0027	



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M021	Plastic	Yellow	PP ring, E0024&E0025&E0026&E0027	
M022	Plastic	Blue	PP ring, E0024&E0027	
M023	Plastic	Blue	TPE ring, E0024&E0026&E0027	
M024	Plastic	Pink	TPE ring, E0026&E0027	
M025	Textile	Red	String, E0360	
M026	Textile	Watermelon red	Cap, E0028	
M027	Textile	Skin	Face, E0028	
M028	Textile	Black	Embroidery threads, E0028	
M029	Textile	White	Embroidery threads, E0028	
M030	Textile	Coral	Embroidery threads, E0028	
M031	Textile	Lt.brown	Embroidery threads, E0028	
M032	Textile	Yellow green + Black + Lt.yellow	Main fabric, E0028	
M033	Textile	Coral	Main fabric, E0028	
M034	Textile	Apple green	Main fabric, E0028	
M035	Textile	Red + Coral	Main fabric, E0028	
M036	Textile	Lt.green	Feet, E0028	
M037	Textile	Green	Embroidery threads, E0028	
M038	Textile	Lake blue	Embroidery threads, E0028	
M039	Textile	Purple	Main fabric, E0028	
M040	Textile	Purple + Red + White	Main fabric, E0028	
M041	Textile	Lt.purple	Main fabric, E0028	
M042	Textile	Dk.red	Main fabric, E0028	



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M043	Textile	Purple + Lt.purple	Main fabric, E0028	
M044	Textile	Lake blue	Main fabric, E0028	
M045	Textile	Lake blue + Yellow + Orange	Main fabric, E0028	
M046	Textile	Lake blue	Main fabric, E0028	
M047	Textile	Yellow	Main fabric, E0028	
M048	Textile	Lake blue + Lt.blue	Main fabric, E0028	
M049	Textile	Red + White	Label, E0028	
M050	Plastic	Transparent	Paper, E0028	
M053	Plastic + Textile	White	Velcro, E0028	
M054	Metal	Silvery	Screws, E0360	
M055	Metal	Silvery	Axles, E0360	



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1.ASTM F963-17: Mechanical and physical
Test result:

Test No:	T001
Material No:	M001-M006
4. Safety requirements	
4.1 Material Quality (visual check)	PASS
4.3.7 Stuffing materials	PASS*1
4.5 Sound-producing toys	PASS*2
4.6 Small objects	PASS
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*3
4.12 Plastic film	N/A
4.13 Folding mechanisms and hinges	N/A
4.14 Cords, straps, and elastics	PASS*4
4.15 Stability and over-load requirements	N/A
4.16 Confined spaces	N/A
4.17 Wheels, tires and axles	PASS*3
4.18 Holes, clearance and 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	PASS*4
4.23 Rattles	PASS*5
4.24 Squeeze toys	N/A
4.26 Toys intended to be attached to a crib or playpen	N/A
4.27 Stuffed and beanbag-type toys	PASS*1
4.28 Stroller and carriage toys	N/A
4.29 Art materials (#)	N/A
4.30 Toys gun marking	N/A
4.31 Balloons	N/A
4.32 Certain toys with 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 handle and steering wheels	N/A
4.40 Expanding materials	N/A
4.41 Toy chests	N/A
5. Labeling requirements	
5.1 Federal government requirements	N/A
5.2 Age grading labeling	N/A



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Test No:	T001
Material No:	M001-M006
5.3 Safety labeling requirements	N/A
5.4 Aquatic toys	N/A
5.5 Crib and playpen toys	N/A
5.6 Mobiles	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 or 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
5.16 Promotional materials	PASS
5.17 Magnets	N/A
6. Instructional literature	
6.1 Definition and description	PASS
6.2 Crib and playpen toys	N/A
6.3 Mobiles	N/A
6.4 Toys intended to be assembled by an adult	N/A
6.7 Toys in contact with food	N/A
6.8 Toy chests	N/A
7. Producer's markings	
7.1 Name and address of the producer or the distributor	PASS
7.3 Toy chests	N/A

Use and Abuse Tests:

The submitted samples were undergone the use and abuse tests in accordance with FHSA 16 CFR and whichever is applicable the tested age grade.

Age Category	Impact Test	Flexure Test	Torque Test	Tension Test	Compression Test
0-18 Months 16 CFR 1500.51	10 x 4.5 ft	120 Arc 30 Cycles 10 lbs	2 in-lbs	10 lbs	20 lbs
19-36 Months 16 CFR 1500.52	4 x 3 ft	120 Arc 30 Cycles 15 lbs	3 in-lbs	15 lbs	25 lbs
37-96 Months 16 CFR 1500.53	4 x 3 ft	120 Arc 30 Cycles 15 lbs	4 in-lbs	15 lbs	30 lbs

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.



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Remark:

- *1 This clause is only applicable to M006
- *2 This clause is only applicable to M001-M003,M005,M006
- *3 This clause is only applicable to M001
- *4 This clause is only applicable to M001,M006
- *5 This clause is only applicable to M004,M005,M002
- *6 This clause is only applicable to M002,M003,M005



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2.ASTM F963-17: Flammability on solids and soft toys
Test result:

	Test No:	T001
	Material No:	M001-M006
4.2 Flammability on solids and soft toys		PASS

The burning rate of the most severe part = DNI

Note: Maximum permissible burning rate = 0.1 Inch/sec.

Abbreviation: DNI = Did Not Ignite / IBE = Ignite But Self-extinguish


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3.CPSIA Sect 103: Tracking label

Test Result:

	Test No:	T001
	Material No:	M001-M006
Present On Packaging		PASS
Present On Product		PASS

Remark:

- * If there is a tracking label on the product which is visible through disposable packaging, the packaging need not be marked.
- ** The correct adherence to all requirements according to CPSIA Tracking label in regards to the marking of:
 - (1) Manufacturer or private labeler name;
 - (2) Location and date of production of the product;
 - (3) Detailed information on the manufacturing process, such as a batch or run number, or other identifying characteristics; and,
 - (4) Any other information to facilitate ascertaining the specific source of the product; can only be confirmed by the manufacturer/trader/applicant. The presence of related information was assessed; however, they cannot be verified in the frame of this test.



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4.ASTM F963-17 Sect. 4.3.5.2 and CPSIA Sect. 101: Total lead content in substrate materials

Test method: CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 (Microwave method)

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M007	Lead Content	ppm	10	100	< RL
T002	M016 + M017 + M018	Lead Content	ppm	10	100	< RL
T003	M019 + M020 + M021	Lead Content	ppm	10	100	< RL
T004	M022 + M023 + M024	Lead Content	ppm	10	100	< RL
T005	M053	Lead Content	ppm	10	100	< RL
T006	M054 + M055	Lead Content	ppm	10	100	< RL

 Abbreviation: < = less than
 RL = Reporting Limit
 ppm = parts per million


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5.ASTM F963-17 Sect. 4.3.5.1 and CPSIA Sect. 101: Total lead content in paint and coating materials

Test method: CPSC-CH-E1003-09.1 (Microwave method)

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M008 + M009 + M010	Lead Content	ppm	10	90	< RL
T002	M011 + M012 + M013	Lead Content	ppm	10	90	< RL
T003	M014 + M015	Lead Content	ppm	10	90	< RL

 Abbreviation: < = less than
 RL = Reporting Limit
 ppm = parts per million


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6.ASTM F963-17 Sect. 4.3.5.1 and 4.3.5.2 : Soluble heavy metal

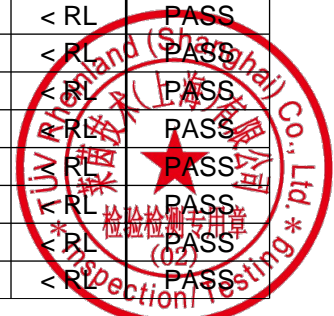
Test method: For paint and similar surface-coating materials: ASTM F963-17 Section 8.3.2 - 8.3.4 Method to Dissolve Soluble Matter for Surface Coatings, Preparation of Test Samples and Test Procedures

For substrate: ASTM F963-17 Section 8.3.5 Soluble Element Test Method for Substrate Materials

This requirement applies to the coating and substrate materials which the sample weight is greater than 10 mg

Test result:

Test No.	Material No.	[mg/kg]								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
		Maximum Permissible Limit of Any Toy Materials except Modelling Clay								
		60	25	1000	75	60	90	60	500	
		Maximum Permissible Limit of Modelling Clay								
		60	25	250	50	25	90	25	500	
RL										
		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
T001	M007(*3)	< RL	< RL	4.7	< RL	< RL	< RL	< RL	< RL	PASS
T002	M008(*3)	< RL	< RL	3.4	< RL	< RL	< RL	< RL	< RL	PASS
T003	M010(*3)	< RL	< RL	3.7	< RL	< RL	< RL	< RL	< RL	PASS
T004	M011	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T005	M012(*3)	< RL	< RL	3.9	< RL	< RL	< RL	< RL	< RL	PASS
T006	M013(*3)	< RL	< RL	4.1	< RL	< RL	< RL	< RL	< RL	PASS
T007	M016	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T008	M017	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T009	M018	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T010	M019	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T011	M020	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T012	M021	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T013	M022	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T014	M023	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T015	M024	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T016	M025(*3)	< RL	< RL	8.8	< RL	< RL	< RL	< RL	< RL	PASS
T017	M026	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T018	M027	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T019	M028(*1)	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T020	M029(*1)	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T021	M030(*1)	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T022	M031(*1)	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T023	M032(*3)	5.9	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T024	M033	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T025	M034	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T026	M035(*3)	4.0	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T027	M036	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS



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Test No.	Material No.	[mg/kg]								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
		Maximum Permissible Limit of Any Toy Materials except Modelling Clay								
		60	25	1000	75	60	90	60	500	
		Maximum Permissible Limit of Modelling Clay								
		60	25	250	50	25	90	25	500	
		RL								
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5			
T028	M037(*1)	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T029	M038(*1)	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T030	M039	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T031	M040(*3)	4.6	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T032	M041	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T033	M042	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T034	M043(*3)	3.5	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T035	M044	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T036	M045(*3)	4.4	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T037	M046	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T038	M047	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T039	M048(*3)	4.2	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T040	M049	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T041	M050	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS
T042	M053	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL	PASS

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- *1 The weight of test portion available was less than 100 mg, but greater than 10 mg, so results were calculated as if 100 mg of the sample were available.
- *2 The weight of test portion available M009, M014 and M015 were less than 10 mg, the test for soluble heavy metal content was not performed.
- *3 The material is deemed comply with the requirement of ASTM F963-17 cl. 8.3.4.3 after analytical correction.
- * Migration results of eight elements shown are the adjusted analytical results

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (in %)	60	60	30	30	30	30	50	60



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7.Total Lead Content

Test Method: CPSC-CH-E1003-09.1 (Microwave method)

Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Result
T001	M008 + M009 + M010	Lead Content	mg/kg	10	40	< RL
T002	M011 + M012 + M013	Lead Content	mg/kg	10	40	< RL
T003	M014 + M015	Lead Content	mg/kg	10	40	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- *1 The requirement is following 16 CFR Part 1303 for
- (1) Paint and other similar surface-coating materials
 - (2) Lead-containing paint
 - (3) Toys and other articles intended for use by children and
 - (4) Furniture article.



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Sample Photos



E0024,E0024A



E0025,E0025A



E0026,E0026A



E0027,E0027A



E0360,E0360A



E0028,E0028A

- END -



