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

Contact Information: HAPE INTERNATIONAL(NINGBO)LTD
9-27Nanhai Road, Dagang industrial City, Beilun, Ningbo, China

Test item(s): Toy

**Identification/
Model No(s):** Refer to detail list

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2021-04-08

Testing Period: 2021-04-08 to 2021-04-28

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:

Country of Origin: China
Sales Destination: Global
Packaging provided: Artwork
The provided age grade of the item: Over 12 months.
The appropriate age grade of the item: Over 12 months.
The item was tested over 12 months.
*As per client's requirement

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



2021-04-29

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

Test result:

PASS
PASS
PASS
PASS
PASS
PASS
PASS



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ITEM NO.	ITM DESCRIPTION EN	ITM DESCRIPTION CN	AGE
E0104,E0104A	First Ride Balance Bike, Light Green	宝宝滑步平衡车, 复古绿	12M+
E0105,E0105A	First Ride Balance Bike, Light Pink	宝宝滑步平衡车, 复古粉	12M+
E8652,E8652A,E8486AE	First Ride Balance Bike, Light Blue	宝宝滑步平衡车, 复古蓝	12M+



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Material List:

Item: Refer to detail list

Material No.	Material	Color	Location
M001	Whole Product	Multi-color	E0104,E0104A
M002	Whole Product	Multi-color	E0105,E0105A
M003	Whole Product	Multi-color	E8652,E8652A,E8486AE
M004	Coating	White	Logo
M005	Coating	Lt.grey	On metal, E0104
M006	Coating	Sky blue	On metal, E0105
M007	Coating	Pink	On metal, E8652
M008	Plastic	Brown	TPR handgrip
M009	Plastic	Brown	PU seat
M010	Plastic	Black	EVA wheels
M011	Plastic	Grey	PP frame&wheels cover
M012	Plastic	Sky blue	PP frame, E0105
M013	Plastic	Pink	PP frame, E8652
M014	Plastic	White	PP main body
M015	Plastic	White	ABS handlebar button
M016	Plastic	Green	PP wheels cover&handle cover, E0104
M017	Foam	Cream	Foam
M018	Metal	Silver	Frame
M019	Metal	Silver	Screws



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

Test No:	T001
Material No:	M001-M003
4. Safety requirements	
4.1 Material Quality (visual check)	PASS
4.3.7 Stuffing materials	N/A
4.5 Sound-producing toys	N/A
4.6 Small objects	PASS
4.7 Accessible edges	PASS
4.8 Projections	PASS
4.9 Accessible points	PASS
4.10 Wires or rods	N/A
4.11 Nails and fasteners	PASS
4.12 Plastic film	N/A
4.13 Folding mechanisms and hinges	N/A
4.14 Cords, straps, and elastics	N/A
4.15 Stability and over-load requirements	PASS
4.16 Confined spaces	N/A
4.17 Wheels, tires and axles	PASS
4.18 Holes, clearance and accessibility of mechanisms	PASS
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
4.26 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 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-M003
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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2.ASTM F963-17: Flammability on solids and soft toys
Test result:

	Test No:	T001
	Material No:	M001-M003
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-M003
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. 4.3.5.1 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]							
		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							
T001	M004(*1)	< RL	< RL	26.2	< RL	< RL	< RL	< RL	< RL
T002	M005(*1)	< RL	< RL	198	< RL	< RL	< RL	< RL	< RL
T003	M006(*1)	< RL	< RL	222	< RL	< RL	< RL	< RL	< RL
T004	M007(*1)	< RL	< RL	253	< RL	< RL	< RL	< RL	< RL
T005	M008	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T006	M009	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T007	M010	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T008	M011	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T009	M012	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T010	M013	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T011	M014	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T012	M015	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL
T013	M016	< RL	< RL	< RL	< RL	< RL	< RL	< RL	< RL

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

Remark:

- *1 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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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	M004 + M005 + M006	Lead Content	ppm	10	90	< RL
T002	M007	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. 4.3.5.2 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	M008 + M009 + M010	Lead Content	ppm	10	100	< RL
T002	M011 + M012 + M013	Lead Content	ppm	10	100	< RL
T003	M014 + M015 + M016	Lead Content	ppm	10	100	< RL
T004	M017	Lead Content	ppm	10	100	< RL
T005	M018 + M019	Lead Content	ppm	10	100	< RL

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


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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	Customer's Requirement	Result
T001	M004 + M005 + M006	Lead Content	mg/kg	10	40	< RL
T002	M007	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



E0104,E0104A



E0105,E0105A



E8652,E8652A,E8486AE

- END -



