

# TEST REPORT

**APPLICANT** : YongKang Roing Industry & Trade Co., Ltd.  
**ADDRESS** : NO.19, QINGLIU ROAD, QINGXI INDUSTRY AREA,  
 XIANGZHU TOWN, YONGKANG CITY, ZHEJIANG  
 PROVINCE, CHINA  
**SAMPLE DESCRIPTION** : KIDS SCOOTER  
**ITEM NO.** : RO203M  
**COUNTRY OF ORIGIN** : China  
**AGE REQUESTED ON APPLICATION FORM** : 6+  
**LABELED AGE GRADE** : 2+  
**AGE GRADE APPLIED IN TESTING** : 6+  
**SAMPLE RECEIVED DATE** : 05-Jan-2015  
**FURTHER INFROMATION DATE** : 23-Jan-2015  
**TURN AROUND TIME** : 23-Jan-2015 to 26-Jan-2015, 2 Working Days

The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by applicant.

TEST REQUESTED	RESULT
- EN71 Part 1:2011+A3:2014 – Mechanical and Physical Properties	Pass
- Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC – Safety of toys)	Pass
- EN71 Part 2:2011+A1:2014 – Flammability	Pass
- EN71 Part 3:2013+A1:2014 – Migration of Certain Elements	Pass

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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
 Eurofins Product Testing Service (Shanghai) Co., Ltd



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 Terric Ji  
 Lab Manager

*Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [sh.info@eurofins.com](mailto:sh.info@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd.*

**SAMPLE PHOTO(S)**



**EFSH14122463-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component
1	Black rubber wheel
2	Black plastic board (bottom)
3	Red plastic board
4	Black rubber handle
5	Red coating
6	Multi color coating
7	Black soft plastic label with multi color printing
8	Blue plastic board
9	Blue coating
10	Purple plastic board
11	Purple coating

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Mechanical and Physical Properties

As Specified in European Standard on Safety of Toys EN71 Part 1:2011+A3:2014

Clause	Description	Result
<b>4</b>	<b>General requirements</b>	
4.1	Material cleanliness (by visual assessment)	Pass
4.2	Assembly	Pass
4.3	Flexible plastics sheeting	Not Applicable
4.4	Toy Bags	Not Applicable
4.5	Glass	Not Applicable
4.6	Expanding Materials	Not Applicable
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass
4.9	Protruding parts	Pass
4.10	Parts moving against each other:	
	4.10.1 Folding and sliding mechanisms	Not Applicable
	4.10.2 Driving mechanisms.	Not Applicable
	4.10.3 Hinges	Not Applicable
	4.10.4 Springs	Not Applicable
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	Not Applicable
4.12	Balloons	Not Applicable
4.13	Cords of toy kites and other flying toys.	Not Applicable
4.14	Enclosures:	
	4.14.1 Toys which a child can enter	Not Applicable
	4.14.2 Masks and helmets	Not Applicable
4.15	Toys intended to bear the mass of a child:	
	4.15.1 Toys propelled by the child or by other means	Pass
	4.15.2 Toy bicycles	Not Applicable
	4.15.3 Rocking horses and similar toys	Not Applicable
	4.15.4 Toys not propelled by a child	Not Applicable
	4.15.5 Toys scooters	Pass
4.16	Heavy immobile toys	Not Applicable
4.17	Projectiles	Not Applicable
4.18	Aquatic toys and inflatable toys	Not Applicable
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	Not Applicable
4.20	Acoustics	
	4.20.2.1 General	Not Applicable
	4.20.2.2 Close-to-the-ear toys	Not Applicable
	4.20.2.3 Table-top or floor toys	Not Applicable
	4.20.2.4 Hand-held toys	Not Applicable
	4.20.2.5 Toys using headphones or earphones	Not Applicable
	4.20.2.6 Rattles	Not Applicable
	4.20.2.7 Squeeze toys	Not Applicable
	4.20.2.8 Pull-along or push toys	Not Applicable
	4.20.2.9 Percussion toys	Not Applicable
	4.20.2.10 Wind toys	Not Applicable
	4.20.2.11 Cap-firing toys	Not Applicable
	4.20.2.12 Voice toys	Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

Clause	Description	Result
<b>4</b>	<b>General requirements</b>	
4.21	Toys containing a non-electrical heat source	Not Applicable
4.22	Small balls	Not Applicable
4.23	Magnets	Not Applicable
4.24	Yo-yo balls	Not Applicable
4.25	Toys attached to food	Not Applicable
<b>5</b>	<b>Toys intended for children under 36 months</b>	
5.1	General requirements	Not Applicable
5.2	Soft-filled toys and soft-filled parts of a toy	Not Applicable
5.3	Plastic sheeting	Not Applicable
5.4	Cords, chains and electrical cables in toys	Not Applicable
5.5	Liquid-filled toys	Not Applicable
5.6	Speed limitation of electrically-driven ride-on toys	Not Applicable
5.7	Glass and porcelain	Not Applicable
5.8	Shape and size of certain toys	Not Applicable
5.9	Toys comprising monofilament fibres	Not Applicable
5.10	Small balls	Not Applicable
5.11	Play figures	Not Applicable
5.12	Hemispheric-shaped toys	Not Applicable
5.13	Suction cups	Not Applicable
5.14	Straps intended to be worn fully or partially around the neck	Not Applicable
<b>6</b>	<b>Packaging</b>	Not Applicable
<b>7</b>	<b>Warnings, markings and instructions for use</b>	
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Not Applicable
7.3	Latex Balloons	Not Applicable
7.4	Aquatic toys	Not Applicable
7.5	Functional Toys	Not Applicable
7.6	Hazardous sharp functional edges and points	Not Applicable
7.7	Projectiles	Not Applicable
7.8	Imitation protective masks and helmets	Not Applicable
7.9	Toy kites	Not Applicable
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	Not Applicable
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	Not Applicable
7.12	Liquid-filled teethingers	Not Applicable
7.13	Percussion caps specifically designed for use in toys	Not Applicable
7.14	Acoustics	Not Applicable
7.15	Toys bicycles	Not Applicable
7.16	Toys intended to bear the mass of a child	Not Applicable
7.17	Toys comprising monofilament fibres	Not Applicable
7.18	Toy scooters	Pass
7.19	Rocking horses and similar toys	Not Applicable
7.20	Magnetic/electrical experimental sets	Not Applicable
7.21	Toy with electrical cables exceeding 300mm in length	Not Applicable
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

**Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC – Safety of toys**

	<b>Observation Result</b>	<b>Location</b>	<b>Conclusion</b>
Washing/Cleaning instruction	Not Applicable	--	--
CE mark	Present, Correct form, CE marking (height = 11.43 mm)	Packaging	Pass
Importer's Name & Address	Present	Packaging	Pass
Manufacturer's Name & Address	Present	Packaging	
Product ID	Present	Packaging	Pass

### **Flammability of Toys**

As Specified in European Standard on Safety of Toys EN71 Part 2:2011+A1:2014.

<b>Clause</b>	<b>Description</b>	<b>Result</b>
<b>4</b>	<b>Requirements</b>	
4.1	General Requirements	Pass
4.2	Toys to be worn on the head	Not Applicable
4.3	Toy disguise costumes and toys intended to be worn by a child in play	Not Applicable
4.4	Toys intended to be entered by a child.	Not Applicable
4.5	Soft-filled toys (animals and dolls, etc) (Sample was not tested if its maximum dimension is 150mm or less.)	Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### **EN71 Part 3:2013+A1:2014 – Migration of Certain Elements**

(Category III: scrapped-off toy material)

Test Method: Extractable Chromium(III) and Chromium(VI) – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by HPLC-ICP-MS

Elements – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by ICP-MS.

Extractable Organic Tin –With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by GC-MS.

Requirements: European Directive 2009/48/EC

Test Item(s):	Limit	Unit	MDL	Result					
				1	2	3	4	5	6
Extractable Lead (Pb)	160	mg/kg	10	ND	ND	ND	ND	ND	ND
Extractable Antimony (Sb)	560	mg/kg	10	ND	ND	ND	ND	ND	ND
Extractable Arsenic (As)	47	mg/kg	5	ND	ND	ND	ND	ND	ND
Extractable Barium (Ba)	18750	mg/kg	50	ND	ND	ND	ND	394	466
Extractable Cadmium (Cd)	17	mg/kg	1	ND	ND	ND	ND	ND	ND
Extractable Mercury (Hg)	94	mg/kg	10	ND	ND	ND	ND	ND	ND
Extractable Selenium (Se)	460	mg/kg	10	ND	ND	ND	ND	ND	ND
Extractable Boron (B)	15000	mg/kg	50	ND	ND	ND	ND	ND	ND
Extractable Cobalt (Co)	130	mg/kg	10	ND	ND	ND	ND	ND	ND
Extractable Manganese (Mn)	15000	mg/kg	50	ND	ND	ND	ND	ND	ND
Extractable Strontium (Sr)	56000	mg/kg	50	ND	ND	ND	ND	ND	ND
Extractable Zinc (Zn)	46000	mg/kg	50	ND	ND	ND	ND	85.5	55.2
Extractable Copper (Cu)	7700	mg/kg	50	ND	ND	ND	ND	ND	ND
Extractable Aluminum (Al)	70000	mg/kg	50	ND	ND	ND	ND	518	382
Extractable Nickel (Ni)	930	mg/kg	10	ND	ND	ND	ND	ND	ND
Extractable Tin (Sn)	180000	mg/kg	50	ND	ND	ND	ND	ND	ND
Extractable Organic Tin <sup>#1</sup>	12	mg/kg	0.2	ND	ND	ND	ND	ND	ND
Extractable Chromium <sup>#2</sup>	-	mg/kg	0.02	ND	ND	ND	ND	ND	ND
Extractable Chromium (III) (Cr III)	460	mg/kg	10	-	-	-	-	-	-
Extractable Chromium (VI) (Cr VI)	0.2	mg/kg	0.1	-	-	-	-	-	-

#### Remarks:

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (<MDL)

#### Note:

<sup>#1</sup> - The migration of organic tin is expressed as tributyltin.

<sup>#2</sup> - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### **EN71 Part 3:2013+A1:2014 – Migration of Certain Elements**

(Category III: scrapped-off toy material)

Test Method: Extractable Chromium(III) and Chromium(VI) – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by HPLC-ICP-MS  
 Elements – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by ICP-MS.  
 Extractable Organic Tin –With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by GC-MS.

Requirements: European Directive 2009/48/EC

Test Item(s):	Limit	Unit	MDL	Result			
				7	8	9	10
Extractable Lead (Pb)	160	mg/kg	10	ND	ND	ND	ND
Extractable Antimony (Sb)	560	mg/kg	10	ND	ND	ND	ND
Extractable Arsenic (As)	47	mg/kg	5	ND	ND	ND	ND
Extractable Barium (Ba)	18750	mg/kg	50	ND	ND	203	ND
Extractable Cadmium (Cd)	17	mg/kg	1	ND	ND	ND	ND
Extractable Mercury (Hg)	94	mg/kg	10	ND	ND	ND	ND
Extractable Selenium (Se)	460	mg/kg	10	ND	ND	ND	ND
Extractable Boron (B)	15000	mg/kg	50	ND	ND	ND	ND
Extractable Cobalt (Co)	130	mg/kg	10	ND	ND	ND	ND
Extractable Manganese (Mn)	15000	mg/kg	50	ND	ND	ND	ND
Extractable Strontium (Sr)	56000	mg/kg	50	ND	ND	ND	ND
Extractable Zinc (Zn)	46000	mg/kg	50	ND	ND	187	ND
Extractable Copper (Cu)	7700	mg/kg	50	ND	ND	ND	ND
Extractable Aluminum (Al)	70000	mg/kg	50	ND	ND	222	ND
Extractable Nickel (Ni)	930	mg/kg	10	ND	ND	ND	ND
Extractable Tin (Sn)	180000	mg/kg	50	ND	ND	ND	ND
Extractable Organic Tin <sup>#1</sup>	12	mg/kg	0.2	ND	ND	ND	ND
Extractable Chromium <sup>#2</sup>	-	mg/kg	0.02	ND	ND	ND	ND
Extractable Chromium (III) (Cr III)	460	mg/kg	10	-	-	-	-
Extractable Chromium (VI) (Cr VI)	0.2	mg/kg	0.1	-	-	-	-

#### Remarks:

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (<MDL)

#### Note:

<sup>#1</sup> - The migration of organic tin is expressed as tributyltin.

<sup>#2</sup> - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

### EN71 Part 3:2013+A1:2014 – Migration of Certain Elements

(Category III: scrapped-off toy material)

Test Method: Extractable Chromium(III) and Chromium(VI) – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by HPLC-ICP-MS  
 Elements – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by ICP-MS.  
 Extractable Organic Tin –With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by GC-MS.

Requirements: European Directive 2009/48/EC

Test Item(s):	Limit	Unit	MDL	Result
				11
Extractable Lead (Pb)	160	mg/kg	10	ND
Extractable Antimony (Sb)	560	mg/kg	10	ND
Extractable Arsenic (As)	47	mg/kg	5	ND
Extractable Barium (Ba)	18750	mg/kg	50	144
Extractable Cadmium (Cd)	17	mg/kg	1	ND
Extractable Mercury (Hg)	94	mg/kg	10	ND
Extractable Selenium (Se)	460	mg/kg	10	ND
Extractable Boron (B)	15000	mg/kg	50	ND
Extractable Cobalt (Co)	130	mg/kg	10	ND
Extractable Manganese (Mn)	15000	mg/kg	50	ND
Extractable Strontium (Sr)	56000	mg/kg	50	ND
Extractable Zinc (Zn)	46000	mg/kg	50	183
Extractable Copper (Cu)	7700	mg/kg	50	ND
Extractable Aluminum (Al)	70000	mg/kg	50	1810
Extractable Nickel (Ni)	930	mg/kg	10	ND
Extractable Tin (Sn)	180000	mg/kg	50	ND
Extractable Organic Tin <sup>#</sup>	12	mg/kg	0.2	ND
Extractable Chromium (III) (Cr III)	460	mg/kg	10	ND
Extractable Chromium (VI) (Cr VI)	0.2	mg/kg	0.1	ND

**Remark:**

mg/kg = milligram per kilogram

MDL = method detection limit

ND = not detected (<MDL)

**Note:**

<sup>#</sup> - The migration of organic tin is expressed as tributyltin.

\*\*\* END OF THE REPORT \*\*\*