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Client: **HANGZHOU ZHIBANG TOYS FACTORY**
No. 22 Qiaoyuan Road, Xiaoshan District, Hangzhou, China

Test item(s): Toys

Identification/ Magic Wands

Model No(s):

Sample Receiving date: 2017-03-28

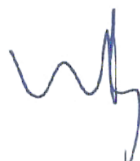
Testing Period: 2017-03-28 - 2017-04-01

Test Specification:	Test result:
1. EN 71 - 1 : 2014 Mechanical and physical properties(As per client's request, clause 4.22 small balls, clause 6 packaging, clause7 warnings and instructions and CE Mark & Labeling of 2009/48/EC were excluded.)	PASS
2. EN 71 - 2 : 2011+A1 :2014 Flammability	PASS
3. EN71-3:2013+A1:2014 Migration of 19 Elements	PASS

Other information:

Packaging provided: No
The provided age grade of the item: Over 36 months.
The appropriate age grade of the item: Over 36 months.
The item was tested over 36 months.

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



2017-04-24 Wice Wang / Section Manager

Date *Name/Position*

*Test result is drawn according to the kind and extent of tests performed.
This test report relates to the a. m. 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.*

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Material List:

Item: Magic Wands

Material No.	Material	Color	Location
M001	Whole Product	multi-color	Magic Wands
M002	Coating	green	Refer to photo
M003	Plastic	green	Hard plastic
M004	Plastic	green	Soft plastic
M005	Wood	natural	Solid wood

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1. EN71 - 1:2014 Mechanical and physical properties
Test result:

	Test No :	T001
	Material No:	M001
4. General requirements		
4.1 Material cleanliness		PASS
4.7 Edges		PASS
4.8 Points and metallic wires		PASS
4.22 Small balls		N.C.*1
6. Packaging		N.C.*1
7. Warnings, markings and instructions for use		
7.1 General		N.C.*1
7.2 Toys not intended for children under 36 months		N.C.*1

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

Remark:

*1 As per client's request, clause 4.22 small balls, clause 6 packaging, clause 7 warnings and instructions and CE Mark & Labeling of 2009/48/EC were excluded.

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2. EN 71 - 2: 2011+A1 :2014 Flammability**Test result:**

	Test No:	T001
	Material No:	M001
4.1 General		PASS

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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3. EN71-3:2013+A1:2014 Migration of 19 Elements

Test Method: with reference to EN71-3:2013+A1:2014, for inorganic elements, analyzed by ICP-OES or ICP-MS.

3) For scraped-off toy materials:

				Test No.	T001	T002	T003
				Material No.	M002	M003	M004
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
Aluminium (Al)	mg/kg	10	70000	59.6	n.d.	15.6	
Antimony (Sb)	mg/kg	1	560	n.d.	n.d.	n.d.	
Arsenic (As)	mg/kg	1	47	n.d.	n.d.	n.d.	
Barium (Ba)	mg/kg	2.5	18750	n.d.	n.d.	12.4	
Boron (B)	mg/kg	10	15000	n.d.	n.d.	n.d.	
Cadmium (Cd)	mg/kg	1	17	n.d.	n.d.	n.d.	
Chromium (Cr)	mg/kg	0.15	-	n.d.	n.d.	n.d.	
Chromium (III) (Cr (III))§	mg/kg	0.15	460	-	-	-	
Chromium (VI) (Cr (VI))§	mg/kg	0.15	0.2	-	-	-	
Cobalt (Co)	mg/kg	2.5	130	n.d.	n.d.	n.d.	
Copper (Cu)	mg/kg	2.5	7700	2.5	n.d.	n.d.	
Lead (Pb)	mg/kg	2.5	160	n.d.	n.d.	n.d.	
Manganese (Mn)	mg/kg	2.5	15000	6.3	n.d.	n.d.	
Mercury (Hg)	mg/kg	1	94	n.d.	n.d.	n.d.	
Nickel (Ni)	mg/kg	2.5	930	n.d.	n.d.	n.d.	
Selenium (Se)	mg/kg	2.5	460	n.d.	n.d.	n.d.	
Strontium (Sr)	mg/kg	2.5	56000	n.d.	n.d.	n.d.	
Tin (Sn)	mg/kg	1.0	180000	n.d.	n.d.	n.d.	
Organic Tin [^]	mg/kg	1.0	12	-	-	-	
Zinc (Zn)	mg/kg	10	46000	378	13.2	198	

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				Test No.	T004
				Material No.	M005
Test Parameter	Unit	RL	Regulatory Requirement	Result	
Aluminium (Al)	mg/kg	10	70000	n.d.	
Antimony (Sb)	mg/kg	1	560	n.d.	
Arsenic (As)	mg/kg	1	47	n.d.	
Barium (Ba)	mg/kg	2.5	18750	13.5	
Boron (B)	mg/kg	10	15000	n.d.	
Cadmium (Cd)	mg/kg	1	17	n.d.	
Chromium (Cr)	mg/kg	0.15	-	n.d.	
Chromium (III) (Cr (III))§	mg/kg	0.15	460	-	
Chromium (VI) (Cr (VI))§	mg/kg	0.15	0.2	-	
Cobalt (Co)	mg/kg	2.5	130	n.d.	
Copper (Cu)	mg/kg	2.5	7700	n.d.	
Lead (Pb)	mg/kg	2.5	160	n.d.	
Manganese (Mn)	mg/kg	2.5	15000	135	
Mercury (Hg)	mg/kg	1	94	n.d.	
Nickel (Ni)	mg/kg	2.5	930	n.d.	
Selenium (Se)	mg/kg	2.5	460	n.d.	
Strontium (Sr)	mg/kg	2.5	56000	6.3	
Tin (Sn)	mg/kg	1.0	180000	n.d.	
Organic Tin [^]	mg/kg	1.0	12	-	
Zinc (Zn)	mg/kg	10	46000	n.d.	

Abbreviation: n.d. = Not Detected (< RL)
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 § denotes Cr(III) and Cr(VI) are not necessary to be determined when the Combined Chromium concentration value is less than the requirement
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.9 mg/kg) or the components were confirmed to be pure metal

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Sample Photo



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