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**Client:** **FENGHUA JINXING WOOD-PRODUCTS MANUFACTURE CO.,LTD**  
Bizhu Village, Xikou Town, Ningbo City, Zhejiang Province, 315521  
China.

**Test item(s):** Toy

**Identification/  
Model No(s):** Child swings;Plastic baby swing  
JXS-3035,JXS-3004,JXS-3002

**Sample Receiving date:** 2013-08-23

**Testing Period:** 2013-08-26 - 2013-08-28

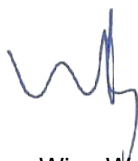
**Test Specification:** **Test result:**

1. EN71-3:2013 Migration of 19 Elements - with reference to 2009/48/EC and its amendment 2012/7/EU PASS

**Other information:**

For: JXS-3035 & JXS-3004  
The provided age grade of the items : Over 3 years of age.  
For: JXS-3002  
The provided age grade of the items : For all ages.

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



2013-08-29

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: Child swings;Plastic baby swing  
JXS-3035,JXS-3004,JXS-3002

<b>Material No.</b>	<b>Material</b>	<b>Color</b>	<b>Location</b>
M001	Plastic	Dark green	Seat
M002	Plastic	Brown	Rope
M003	Plastic	Black	Connector
M004	Wood	Nature	Seat
M005	Plastic	Black	"8"shape adjuster
M006	Plastic + printing	Black/red/transparent	Packaging
M007	Plastic	Light green	Seat
M008	Plastic	Orange	"T-bar" of seat
M009	Plastic	Black	Buckle
M010	Plastic	White	Tape

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**1. EN71-3:2013 Migration of 19 Elements - with reference to 2009/48/EC and its amendment 2012/7/EU**

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

**3) For scraped-off toy materials:**

				Test No.	T001	T002	T003
				Material No.	M001	M002	M003
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	
Aluminium (Al)	mg/kg	10	70000	n.d.	n.d.	n.d.	
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.	n.d.	
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	0.2	-	n.d.	n.d.	n.d.	
Chromium (III) (Cr (III))§	mg/kg	5	460	n.d.	n.d.	n.d.	
Chromium (VI) (Cr (VI))§	mg/kg	0.2	0.2	n.d.	n.d.	n.d.	
Cobalt (Co)	mg/kg	2.5	130	n.d.	n.d.	n.d.	
Copper (Cu)	mg/kg	2.5	7700	n.d.	n.d.	n.d.	
Lead (Pb)	mg/kg	2.5	160	n.d.	n.d.	n.d.	
Manganese (Mn)	mg/kg	2.5	15000	n.d.	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	n.d.	n.d.	n.d.	
Zinc (Zn)	mg/kg	10	46000	n.d.	n.d.	n.d.	

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				Test No.	T004	T005	T006
				Material No.	M004	M005	M006
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
Aluminium (Al)	mg/kg	10	70000	n.d.	n.d.	n.d.	n.d.
Antimony (Sb)	mg/kg	1	560	n.d.	n.d.	n.d.	n.d.
Arsenic (As)	mg/kg	1	47	n.d.	n.d.	n.d.	n.d.
Barium (Ba)	mg/kg	2.5	18750	6.5	n.d.	n.d.	n.d.
Boron (B)	mg/kg	10	15000	n.d.	n.d.	n.d.	n.d.
Cadmium (Cd)	mg/kg	1	17	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	0.2	-	n.d.	n.d.	n.d.	n.d.
Chromium (III) (Cr (III))§	mg/kg	5	460	n.d.	n.d.	n.d.	n.d.
Chromium (VI) (Cr (VI))§	mg/kg	0.2	0.2	n.d.	n.d.	n.d.	n.d.
Cobalt (Co)	mg/kg	2.5	130	n.d.	n.d.	n.d.	n.d.
Copper (Cu)	mg/kg	2.5	7700	750	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2.5	160	n.d.	n.d.	n.d.	n.d.
Manganese (Mn)	mg/kg	2.5	15000	68	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	1	94	n.d.	n.d.	n.d.	n.d.
Nickel (Ni)	mg/kg	2.5	930	n.d.	n.d.	n.d.	n.d.
Selenium (Se)	mg/kg	2.5	460	n.d.	n.d.	n.d.	n.d.
Strontium (Sr)	mg/kg	2.5	56000	4.5	n.d.	n.d.	n.d.
Tin (Sn)	mg/kg	1.0	180000	n.d.	n.d.	n.d.	n.d.
Organic Tin <sup>^</sup>	mg/kg	1.0	12	n.d.	n.d.	n.d.	n.d.
Zinc (Zn)	mg/kg	10	46000	n.d.	12	n.d.	n.d.

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				Test No.	T007	T008	T009
				Material No.	M007	M008	M009
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
Aluminium (Al)	mg/kg	10	70000	n.d.	n.d.	n.d.	n.d.
Antimony (Sb)	mg/kg	1	560	n.d.	n.d.	n.d.	n.d.
Arsenic (As)	mg/kg	1	47	n.d.	n.d.	n.d.	n.d.
Barium (Ba)	mg/kg	2.5	18750	n.d.	n.d.	n.d.	n.d.
Boron (B)	mg/kg	10	15000	n.d.	n.d.	n.d.	n.d.
Cadmium (Cd)	mg/kg	1	17	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	0.2	-	n.d.	n.d.	n.d.	n.d.
Chromium (III) (Cr (III))§	mg/kg	5	460	n.d.	n.d.	n.d.	n.d.
Chromium (VI) (Cr (VI))§	mg/kg	0.2	0.2	n.d.	n.d.	n.d.	n.d.
Cobalt (Co)	mg/kg	2.5	130	n.d.	n.d.	n.d.	n.d.
Copper (Cu)	mg/kg	2.5	7700	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2.5	160	n.d.	n.d.	n.d.	n.d.
Manganese (Mn)	mg/kg	2.5	15000	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	1	94	n.d.	n.d.	n.d.	n.d.
Nickel (Ni)	mg/kg	2.5	930	n.d.	n.d.	n.d.	n.d.
Selenium (Se)	mg/kg	2.5	460	n.d.	n.d.	n.d.	n.d.
Strontium (Sr)	mg/kg	2.5	56000	n.d.	n.d.	n.d.	n.d.
Tin (Sn)	mg/kg	1.0	180000	n.d.	n.d.	n.d.	n.d.
Organic Tin <sup>^</sup>	mg/kg	1.0	12	n.d.	n.d.	n.d.	n.d.
Zinc (Zn)	mg/kg	10	46000	n.d.	n.d.	n.d.	n.d.

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				Test No.	T010
				Material No.	M010
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	n.d.	
Boron (B)	mg/kg	10	15000	n.d.	
Cadmium (Cd)	mg/kg	1	17	n.d.	
Chromium (Cr)	mg/kg	0.2	-	n.d.	
Chromium (III) (Cr (III))§	mg/kg	5	460	n.d.	
Chromium (VI) (Cr (VI))§	mg/kg	0.2	0.2	n.d.	
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	n.d.	
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	n.d.	
Tin (Sn)	mg/kg	1.0	180000	n.d.	
Organic Tin <sup>^</sup>	mg/kg	1.0	12	n.d.	
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

<sup>^</sup> denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit

**Remark:**

- \*1 The cadmium requirement is following 2012/7/EU, as of 3 Mar 2012. This restriction will come into effect starting from 20 July 2013 onwards.
- \*2 According to Press Release No. 59/13 of General Court of the European Union, Germany may provisionally continue to apply its existing limits for Antimony (limit: 60 mg/kg), Arsenic (limit: 25 mg/kg), Barium (limit: 1000 mg/kg), Lead (limit: 90 mg/kg) and Mercury (limit: 60 mg/kg) of Category 3 scraped-off toy materials until final decision has been reached by General Court.

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Sample Photo



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Sample Photo



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