



Test Report

No. SHT201101521

Date: MAR.09,2011

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NO 5 RENMIN ROAD YUNHE ZHEJIANG

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : TRAIN SET 21PCS

Detail of Sample : WOODEN TRAIN SET INCLUDES 10 ASSORTED TRACKS, 8 ASSORTED BLOCKS AND 3 ASSORTED TRAIN WITH PLASTIC WHEELS AND MAGNET.

Sample Quantity : 3 SETS
Style / Item No. : 50766
Supplier :
Manufacturer : BINDWOOD
Country of Origin : CHINA
Country of Destination : EUROPE
Labeled Age Grading : NOT STATED
Requested Age Grading : 3+
Age Group Applied in Testing : AS PER CLIENT'S REQUEST, TESTED FOR 3+ YEARS
Sample Receiving Date : FEB.11,2011
1ST Resubmitted Sample Date : FEB.17,2011
2ND Resubmitted Sample Date : MAR.03,2011
Further Information Date : MAR.08,2011
Testing Period : FEB.11,2011 TO MAR.08,2011

Test Requested

Result

For compliance with the European Standard on Safety of Toys :

- EN71 Part 1:2005 + A9:2009 – Mechanical and Physical Properties Pass
- EN71 Part 2:2006 +A1:2007 – Flammability of Toys Pass
- EN71 Part 3:1994 +A1:2000 +AC:2002 – Migration of Certain Elements Pass

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

Signed for and on behalf of
SGS-CSTC Ltd.

Harry Zhao
Supervisor

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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center

3rd Building, No. 889, Yishan Road, Xuhui District Shanghai, China 200233
中国·上海·徐汇区宜山路889号3号楼

t (86-21)61152312
t (86-21)61152312

f (86-21)61402590
f (86-21)61402590

www.cn.sgs.com
e sgs.china@sgs.com

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Results :

European Standard on Safety of Toys

- Mechanical & Physical Properties

As specified in European standard on safety of toys EN71 Part 1:2005 + A9:2009

<u>Clause</u>	<u>Description</u>	<u>Results</u>
4	General requirements	
4.1	Material (by visual assessment)	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
4.23	Magnets	<u>Pass</u>
5	Toys intended for children under 36 months	
5.1	General requirements (Remark 1 : Small part was found after test. It is acceptable because appropriate age warning is found.)	<u>See Remark 1</u>
7	Warnings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the toy is sold.)	
7.1	General Requirements	<u>Pass</u>
7.2	Toys not intended for children under 36 months	<u>Pass</u>

- Flammability of Toys

As specified in European standard on safety of toys EN71 Part 2 : 2006 + A1:2007.

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	<u>Pass</u>

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SGS SA (Standards Technical Services (Shanghai) Co., Ltd.)
Testing Center

3rd Building, No. 889, Yishan Road, Xuhui District Shanghai, China 200233
中国·上海·徐汇区宜山路889号3号楼

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- Migration of Certain Elements

Test Method : With reference to EN 71 Part 3:1994 + A1:2000 + AC: 2002, analysis was performed by ICP-OES

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	1,000	mg/kg	10	ND	ND	151
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	1,000	mg/kg	10	84	ND	131
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	007	008	009
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	1,000	mg/kg	10	103	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND

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t (86-21)61152312
邮编:200233

f (86-21)61402590
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Test Item(s)	Limit	Unit	MDL	010	011
Soluble Lead (Pb)	90	mg/kg	5	-	ND
Soluble Antimony (Sb)	60	mg/kg	5	-	ND
Soluble Arsenic (As)	25	mg/kg	5	-	ND
Soluble Barium (Ba)	1,000	mg/kg	10	-	156
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND
Soluble Chromium (Cr)	60	mg/kg	5	-	ND
Soluble Mercury (Hg)	60	mg/kg	5	-	ND
Soluble Selenium (Se)	500	mg/kg	10	-	ND

Notes :

- (1) Results shown are of the adjusted analytical results.
- (2) Mass of trace amount of sample 002 is 17.2mg, sample 005 is 15.5mg, sample 007 is 29.0 mg, sample 011 is 10.2mg
- (3) As received, the test portion of 010 is less than 10mg, therefore such components were not tested for migration of certain elements, as specified in the European Standard, EN71 part 3 : 1994, Clause 7 - selection of test portions

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA11-013616.001	Natural wood
2	SHA11-013616.002	Transparent lacquer coating
3	SHA11-013616.003	Dark green coating
4	SHA11-013616.004	Deep blue coating
5	SHA11-013616.005	Red coating
6	SHA11-013616.006	Dark yellow coating
7	SHA11-013616.007	Light blue coating
8	SHA11-013616.008	Red plastics (wheel)
9	SHA11-013616.009	Black plastics (train)
10	SHA11-013616.010	White coating (head)
11	SHA11-013616.011	Light orange coating (on train)

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

N.B. : - Only applicable clauses were shown.

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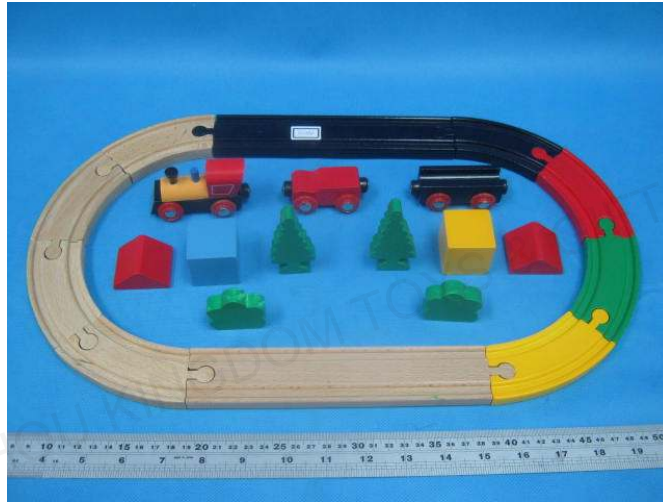
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Sample Photo:



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