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Test Report No. 70.452.12.312.01-00

Dated 2012-03-26

**Applicant: KINGDOM TOYS & GIFTS CO.,LTD
6/F.,YAODA BLDG.,289 SHIFU RD.,318000 TAIZHOU,ZHEJIANG,CHINA**

Attn: LEO CHENG
Order No.: Not Specified
Style No.: KDK496
Labelled Age Range: Not stated
Requested Age Range: 12+ months
Age Range in Testing: 12+ months
Product Name: wooden vehicle
Manufacturer: Not Specified
Country of origin: China
Season: Not Specified
Buyer: Not Specified
Export to: EU
Receipt Date of Sample: Received on 2012-03-09

Date of Testing: From 2012-03-13 to 2012-03-23

Sample submitted: The sample(s) was (were) submitted by applicant and identified.

Test result: Refer to the data listed in following pages

Test specification:

- 1. EN 71-1: 2011 Mechanical and Physical Properties**
- 2. EN 71-2: 2011 Flammability**
- 3. Migration of certain elements EN 71-3: 1994 + Amendment A1: 2000 + Corrigendum AC: 2002**
Test with reference to EN 71 – Part 3: 1994 + A1:2000 + AC: 2002, soluble toxic element contents are determined by ICP-OES.
- 4. Labelling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address, product identification) according to the Directive 2009/48/EC-Safety of toys**
- 5. Total Cadmium Content**
Test with reference to EN 1122:2001 Method B
- 6. Wood preservatives, "Safety of Toys:Organic Chemical Compounds", EN71-9:2005+A1:2007.**
Test with reference to EN71-10:2005 & EN71-11:2005
- 7. Content of Formaldehyde release**
Test with reference to EN 717-3:1996

Conclusions:

- Pass**
- Pass**
- Pass**
- See Remark**
- Pass**
- Pass**
- NA**

Note: (1) General Terms & Conditions as mentioned overleaf,(2)The results relate only to the items tested,(3)The test report shall not be reproduced except in full without the written approval of the laboratory.

Laboratory:
Jiangsu TÜV Product Service Ltd.
Shanghai Branch Testing Center
Hardgoods Laboratory

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Description of the test subject:

Sample	Description	Photo
A	wooden vehicle with assorted removable wooden blocks	

Specimen Description:			
A-1	Red coating	A-7 ^s	White coating
A-2	Yellow coating	A-8 ^s	Pink coating
A-3	Orange coating	A-9	Rose coating
A-4 ^s	Blue coating	A-10 ^s	Green coating
A-5	Transparent coating	A-11	Wood
A-6 ^s	Black coating		

Remark: § Data are quoted from project No. 70.452.12.312.01-00/04 , 70.452.12.312.01-00/05
70.452.12.312.01-00/06 and 70.452.12.312.01-00/07 .

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Test Results

1. Mechanical and Physical Properties EN71-1:2011

Clause	Requirement	Evaluation
4	General requirements	
4.1	Material cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Prodruding parts	P
5	Toys intended for children under 36 months	
	Washing/ Cleaning Label	NA
5.1	General requirements	P
7	Warnings and instructions for use	
	CE marking requirement	See Remark 1
	Manufacturer and importer's name or registered name/trade mark and address	See Remark 2
	Product Identification: type, batch, serial or model number or other element	See Remark 3
7.1	General	P

Abbreviation: P=pass; F=fail; NA=not applicable;

Remark 1: CE marking should be visible from outside the packaging and its height must be at least 5mm

Remark 2: The manufacturer's name registered trade name or registered trade mark and the address at which the manufacture can be contacted must be indicated on the toy or,where that is not possible,on its packaging or in a document accompanying the toy. This requirement applies also to the name and address edc.of any importer

Remark 3: Manufacturer must ensure that their toys bear a type,bath,serial or model number or other element allowing their identification,or where the size or nature of the toy does not allow it,that the required information is provided on the packaging or in a document accompanying the toy.

Note: Only applicable clauses were shown.

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2. Flammability of Toys EN71-2:2011

Clause	Requirement	Evaluation
4.1	General requirement	P

Abbreviation: P=pass; F=fail; NA=not applicable;

Note: Only applicable clauses were shown.

3. Migration of certain elements EN 71-3 : 1994 + Amendment A1 : 2000 + Corrigendum AC : 2002

Test with reference to EN 71 – Part 3: 1994 + A1:2000 + AC:2002, soluble toxic element contents are determined by ICP-OES.

Test Item	Limit (mg/kg)	Result (mg/kg)					
		A-1	A-2	A-3	A-4	A-5	A-6
Antimony (Sb)	60	<5	<5	<5	<5	<5	<5
Arsenic (As)	25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Barium (Ba)	1000	11.9*	21.8*	9.0*	<5	59.1*	<5
Cadmium (Cd)	75	<5	<5	<5	<5	<5	<5
Chromium (Cr)	60	<5	<5	<5	<5	<5	<5
Lead (Pb)	90	<5	<5	<5	<5	<5	<5
Mercury (Hg)	60	<5	<5	<5	<5	<5	<5
Selenium (Se)	500	<5	<5	<5	<5	<5	<5
Conclusion		Pass	Pass	Pass	Pass	Pass	Pass

Remark:

- * adjusted analytical result
- mg/kg denotes milligram per kilogram
- < denotes less than

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Add value.**ORIGINAL****Test Report No. 70.452.12.312.01-00****Dated 2012-03-26****3. Migration of certain elements EN 71-3 : 1994 + Amendment A1 : 2000 + Corrigendum AC : 2002**

Test with reference to EN 71 – Part 3: 1994 + A1:2000 + AC:2002, soluble toxic element contents are determined by ICP-OES.

Test Item	Limit (mg/kg)	Result (mg/kg)				
		A-7	A-8	A-9	A-10	A-11
Antimony (Sb)	60	<5	<5	<5	<5	<5
Arsenic (As)	25	<2.5	<2.5	<2.5	<2.5	<2.5
Barium (Ba)	1000	167.9*	196.4*	277.1*	10.9*	<5
Cadmium (Cd)	75	<5	<5	<5	<5	<5
Chromium (Cr)	60	<5	<5	<5	<5	<5
Lead (Pb)	90	<5	<5	<5	<5	<5
Mercury (Hg)	60	<5	<5	<5	<5	<5
Selenium (Se)	500	<5	<5	<5	<5	<5
Conclusion		Pass	Pass	Pass	Pass	Pass

Remark:

1. * adjusted analytical result
2. mg/kg denotes milligram per kilogram
3. < denotes less than

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5. Total Cadmium Content

With reference to EN 1122:2001 Method B, determination by ICP-OES.

Sample	MDL	Cadmium	Conclusion
A-1	2	ND	Pass
A-2	2	ND	Pass
A-3	2	ND	Pass
A-4	2	ND	Pass
A-5	2	7	Pass
A-6	2	ND	Pass
A-7	2	ND	Pass
A-8	2	ND	Pass
A-9	2	ND	Pass
A-10	2	ND	Pass
A-11	2	ND	Pass

Remark:

1. According to REACH regulation (EC) No. 1907/2006 and Amendment No. 552/2009 Annex XVII Item 23 (formerly known as 91/338/EEC), limit is 100ppm
2. MDL= Method Detection Limit
3. ND = Not Detected (<MDL)
4. "mg/kg" denotes "milligram per kilogram"

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6. Wood preservatives, "Safety of Toys:Organic Chemical Compounds", EN71-9:2005+A1:2007.

Test with reference to EN71-10:2005 & EN71-11:2005

Compound	CAS No.	MDL (mg/kg)	Limit (mg/kg)	Sample A-11
Pentachlorophenol and its salts		0.5	2	ND
Lindane	58-89-9	1	2	ND
Cyfluthrin	68359-37-5	5	10	ND
Cypermethrin	52315-07-8	5	10	ND
Deltamethrin	52918-63-5	5	10	ND
Permethrin	52645-53-1	5	10	ND
Conclusion				Pass

Remark:

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

7. Content of Formaldehyde release

With reference to EN 717-3:1996, analysis was performed by UV-Vis

Sample	Unit	MDL	Formaldehyde release
A-11	mg/kg	1	ND

Remark:

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

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Engineer: Terence Tang

Terence Tang

Checked by: Jerry Chen

Jerry Chen

Jiangsu TUV Product Service Ltd.
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-End of Test Report-



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