



## Test Report

No.: NBTY201404481

Date: DEC 10, 2014

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NINGBO BOHAI IMPORT AND EXPORT COMPANY LIMITED

B-1302 JIAHUI INTERNATIONAL CENTER,NO.1, LANE 28, BAIZHANG DONG ROAD,NINGBO

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

Sample Description : PLASTIC SWING SEAT-YELLOW/APPLE GREEN/ORANGE

Sample Quantity : 9 PCS  
Style / Item No. : S04-101/J-427/J-426/J-447  
Labeled Age Grading : NOT SUITABLE FOR CHILDREN UNDER 3 YEARS  
Requested Age Grading : 3+  
Age Group Applied in Testing : 3+ YEARS  
Age Group Assessed As Per Age : 3+ YEARS  
Guideline  
Sample Receiving Date : NOV 26, 2014  
Further Information Date : DEC 09, 2014  
Testing Period : NOV 26, 2014 TO DEC 10, 2014

### Test Requested

Test Requested	Result
1.EN 71-1:2011+A3:2014 – Safety of toys – Part 1: Mechanical and Physical Properties	<u>Pass</u>
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	<u>See Result</u>
EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	<u>Pass</u>
EN 71 Part 3:2013 under European Directive 2009/48/EC-Migration of certain elements	<u>Pass</u>
EN 71-8:2011 - Safety of Toys –Activity toys for domestic use.	<u>Pass</u>
3. Cadmium (Cd)-Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012 and (EU) No 494/2011	<u>Pass</u>
4. Phthalates content-Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)	<u>Pass</u>

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

Signed for and on behalf of  
SGS-CSTC Ltd.

Wallace Lui  
Senior Technical Manager, Asia

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## Results:

1. European Standard on Safety of Toys

### EN 71-1:2011+A3:2014 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2011+A3:2014 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.15	Toys intended to bear the mass of a child:	
	4.15.1 Toys propelled by the child or by other means	Pass
6	Packaging	Pass

### LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS

Summary table:

	Observation Result	Location
CE mark	Present	Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Absent	/
Product ID	Present	Packaging

Note:

- CE marking should be visible from outside the packaging and its height must be at least 5mm.
- Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer 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.
- Manufacturers must ensure that their toys bear a type, batch, 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.

### EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause	Description	Result
4.1	General requirements	Pass

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## EN 71-3:2013 under European Directive 2009/48/EC– Migration of certain elements (for scrapped-off toy material)

Test Method : With reference to EN 71-3:2013. Analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Chromium (VI)	0.2	mg/kg	0.18	ND	ND	ND
Soluble Lead (Pb)	160	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	1	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	70000	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	005
Soluble Chromium (VI)	0.2	mg/kg	0.18	ND	ND
Soluble Lead (Pb)	160	mg/kg	10	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	10	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	1	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND
Soluble Aluminum (Al)	70000	mg/kg	50	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND

Notes :

(1) Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble

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chromium does not exceed their requirements as specified in EN71-3: 2013.

(2) \*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB14-040589.001	Yellow plastic (Seat)
SN2	NGB14-040589.002	Apple green plastic (Seat)
SN3	NGB14-040589.003	Orange plastic (Seat)
SN4	NGB14-040589.004	Green plastic (On rope)
SN5	NGB14-040589.005	Brown plastic rope

Remarks :

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

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

**2.EN 71-8:2011**

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 8: 2011 ACTIVITY TOYS FOR DOMESTIC USE.

Clauses Relevant to Sample.

Clause	Description	Result
<b>4</b>	<b>Requirements</b>	
4.1	General	
	4.1.1 Assembly.....	Pass
	4.1.3 Maximum height .....	See Remark1
	4.1.4 Corners and edges.....	Pass
	4.1.6 Diameter of ropes and other means of suspension.....	Pass
4.3	Entrapment	
	4.3.1 Head and neck entrapment.....	Pass
	4.3.4 Entrapment of fingers.....	Pass
4.6	Swings	
	4.6.1 Stability of swings and other activity toys with crossbeams	See Remark1
	4.6.2 Static strength of crossbeams, swing devices and suspension connectors.....	See Remark2
	4.6.4 Minimum clearance between adjacent swing elements, and adjacent structures.....	See Remark1
	4.6.5 Lateral stability of swing elements.....	See Remark1
	4.6.6 Minimum clearance between swing elements and the ground.....	See Remark1
	4.6.7 Suspension connectors and swing devices.....	Pass
	4.6.8 Impact, geometry and design of swing elements	
	4.6.8.3 Geometry and design of swings elements.....	Pass
<b>5</b>	<b>Warnings, markings, and instructions</b>	
5.1	Warnings and markings	

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5.1.1	General.....	Pass
5.2	Assembly and installation instructions.....	Pass
5.3	Maintenance.....	Pass

Remark 1: The submitted sample only included swing device, no crossbeam.  
 Remark 2: Tested swing device only.

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

**3.Cadmium (Cd)-Entry No. 23 of Annex XVII of REACH Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) No 835/2012 and (EU) No 494/2011**

Test Method : With reference to EN 1122:2001 Method B. Analysis was performed by AAS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Cadmium (Cd)	0.01	%	0.0005	ND	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>
Cadmium (Cd)	0.01	%	0.0005	ND	ND
<b>Conclusion</b>				<b>PASS</b>	<b>PASS</b>

**4.Phtalates content-Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC)**

Test Method : With reference to EN14372: 2004, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
<b>1. For all toys and childcare articles</b>							
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND	ND	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND	ND	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%	0.003	ND	ND	ND
Total (DBP+BBP+DEHP)		0.1	%	-	ND	ND	ND

**2. For toys and childcare articles that can be mouthed**

Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	-	%	0.010	ND	ND	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND	ND	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	-	%	0.010	ND	ND	ND
Total (DINP+DNOP+DIDP)		0.1	%	-	ND	ND	ND

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**Conclusion** **PASS** **PASS** **PASS**

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>
<b>1. For all toys and childcare articles</b>						
Dibutyl Phthalate (DBP)	84-74-2	-	%	0.003	ND	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%	0.003	ND	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%	0.003	ND	ND
Total (DBP+BBP+DEHP)		0.1	%	-	ND	ND

**2. For toys and childcare articles that can be mouthed**

Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	-	%	0.010	ND	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%	0.003	ND	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	-	%	0.010	ND	ND
Total (DINP+DNOP+DIDP)		0.1	%	-	ND	ND

**Conclusion** **PASS** **PASS**

## Notes :

(1) European Parliament adopted new phthalate Entry 51 & 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC);

(1-1) DBP, BBP and DEHP are totally banned for use in any toys on childcare articles where their concentration exceeds 0.1% by mass.

(1-2) DINP, DNOP, DIDP are totally banned for use in toys and childcare articles that can be mouthed where their concentration exceeds 0.1% by mass.

Test Part Description :

<b>Specimen No.</b>	<b>SGS Sample ID</b>	<b>Description</b>
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SN2	NGB14-040589.002	Apple green plastic (Seat)
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SN4	NGB14-040589.004	Green plastic (On rope)
SN5	NGB14-040589.005	Brown plastic rope

## Remarks :

(1) 1 mg/kg = 0.0001%

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- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

**Sample Photo:**



SGS authenticate the photo on original report only

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