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CERTIFICATE OF COMPLIANCE

SGS United Kingdom A UKAS Accredited Test House

Client Name : HAPE INTERNATIONAL (NINGBO) LTD
Test Report Number : T51510241237TY
Reference Number : WSZ-UK5151240176TY
Item Number : 748070
Sample Description : SMALL NUMBERS
Date of Issue : SEP 25, 2015

Applied Standards

- 1) EN 71-1:2014 – Safety of toys – Part 1: Mechanical and Physical Properties
 - 2) EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability
 - 3) EN 71-3 2013 + A1:2014 – Safety of toys – Part 3 : Migration of certain elements
- This certificate of compliance must not be used without the attached reference test report.

Result

Pass

Pass

Pass

Lin Shuzhen, Dora
Director
SGS SHENZHEN



Nina Pratt
Senior Technologist
SGS UNITED KINGDOM LTD.

The report attached to this certificate has been checked and approved by SGS United Kingdom Ltd who holds a copy of the relevant documentation in its office. This certificate confirms test results by another SGS entity without SGS UK Ltd having done the testing itself. This Certificate is issued by SGS UK Ltd. under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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TESTING
CNAS L2929

Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 1 of 11

HAPE INTERNATIONAL (NINGBO) LTD
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY,
BEILUN, NINGBO, CHINA PC:315800

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

SMALL NUMBERS

Sample Quantity	: 2 PCS
Item No.	: 748070
Country of Origin	: CHINA
Labeled Age Grading	: 3+
Requested Age Grading	: 3Y+
Age Group Assessed As Per Age Guideline	: OVER 2 YEARS
Age Group Applied in Testing	: OVER 2 YEARS
Sample Receiving Date	: SEP 15, 2015
Testing Period	: SEP 15, 2015 TO SEP 25, 2015



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中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 2 of 11

Test Requested	Conclusion
For compliance with the European Standard on Safety of Toys :-	--
EN 71-1:2014 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	PASS
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	SEE RESULT
EN 71-3:2013 + A1:2014 – Safety of toys – Part 3 – Migration of certain elements (All conclusive testing)	PASS

Signed for and on behalf of
SGS-CSTC Standard Technical Services Co., Ltd.
Shenzhen Branch-Toy laboratory

Lin Shuzhen, Dora
Director
CNAS Approved Signatory



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 3 of 11

Results:

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

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

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
5	Toys intended for children under 36 months	
5.1	General requirements:	
5.1a	Small part requirement on toys & removable Components (Test method 8.2)	<u>Pass</u>
5.1b	Torque test (Test method 8.3)	<u>Pass</u>
5.1b	Tension test (Test method 8.4)	<u>Pass</u>
5.1b	Drop test (Test method 8.5)	<u>Pass</u>
5.1b	Impact test (Test method 8.7)	<u>Pass</u>
5.1b	Compression test (Test method 8.8)	<u>Pass</u>
5.1b	Sharp edge (Test method 8.11)	<u>Pass</u>
5.1b	Sharp point (Test method 8.12)	<u>Pass</u>
5.1e	Glued wooden toys and toys with glued on plastic decals	<u>Pass</u>

According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.

Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 4 of 11

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

Type of gas: Butane gas used in the test burner

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
Washing/Cleaning instruction	Not applicable	--
CE mark	Present	Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Present	Packaging
Product ID	Present	Packaging

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soaked washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. 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.
4. 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.



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 5 of 11

EN 71-3:2013 + A1:2014 – Safety of toys – Part 3 – Migration of Certain Elements

Category III: Scrapped-off toy material

Method: With reference to EN71-3:2013 + A1:2014. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS and organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	1	2	3	--	--
Mass of trace amount (mg)	25.6	12.6	17.2	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	6.2	4.7	3.3	180,000
Soluble Organic Tin [^] (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	361	211	276	50	46,000

Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 6 of 11

Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	4	5	6	--	--
Mass of trace amount (mg)	22.2	16.0	24.4	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	62	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	6.7	ND	ND	3.3	180,000
Soluble Organic Tin [^] -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	387	190	320	50	46,000



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 7 of 11

Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	7	8	9	--	--
Mass of trace amount (mg)	25.6	18.1	28.6	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	5.2	ND	3.3	180,000
Soluble Organic Tin [^] -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	294	269	407	50	46,000



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 8 of 11

Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	10	11	--	--
Mass of trace amount (mg)	27.0	26.6	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.3	180,000
Soluble Organic Tin [^] -- (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	382	2870	50	46,000



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 9 of 11

Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	12	13	--	--
Mass of trace amount (mg)	--	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	70,000
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18,750
Soluble Boron (B) (mg/kg)	ND	ND	50	15,000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium (Cr) (mg/kg)	ND	ND	0.15	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	ND	0.12	0.2
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7,700
Soluble Lead (Pb) (mg/kg)	ND	ND	10	160
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15,000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56,000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.3	180,000
Soluble Organic Tin [^] -- (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	50	46,000



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 10 of 11

Specimen Description:

1. Orange coating on wood (Number)
2. Green coating on wood (Number)
3. Red coating on wood (Number)
4. Yellow coating on wood (Number)
5. Dark blue coating on wood (Number)
6. Dark pink coating on wood (Number)
7. Dark green coating on wood (Number)
8. Blue coating on wood (Number)
9. Mauve coating on wood (Number)
10. Dark yellow coating on wood (Number)
11. Transparent lacquer coating on wood (Number)
12. Black colored cream plywood (Number)
13. Black soft plastic (Number)

- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - # Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013 + A1:2014.
 - ^ 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 + A1:2014.

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



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Test Report

No.: T51510241237TY

Date: SEP 25, 2015

Page 11 of 11

Sample Photo:



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*** End of Report ***