



Test Report

No.: SHHL1603014098IP-01

Date: May 24, 2016

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QINGDAO HAILIMING COMMERCE & TRADING CO., LTD
ROOM 803, BUILDING 30, CHANGCHENG ROAD 89, CHENGYANG DISTRICT, QINGDAO, SHANDONG,
CHINA

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.: SHHL1603014098IP, DATE: MAY 16, 2016

The following samples were submitted and identified on behalf of the client as:
BABY CARE PLAYPEN

Sample Quantity : 1 PC
Style / Item No. : BP-001
Manufacturer : CIXI HONEYWAY BABY PRODUCTS CO.,LTD
Country of Origin : CHINA
Country of Destination : USA
Labeled Age Grading : FOR CHILDREN +6 MONTHS
Requested Age Grading : 0+
Age Group Assessed As Per Age Guideline : ALL AGES
Age Group Applied in Testing : ALL AGES
Sample Receiving Date : MAR 23, 2016
Resubmitted Sample & Packaging Date : APR 26, 2016
Further Information Date : MAY 23, 2016
Testing Period : MAR 23, 2016 TO MAY 24, 2016

Test Requested

Result

- 1. ASTM F963-11 Standard Consumer Safety Specification for Toy Safety Pass
- 2. EN 71-1: 2014 – Safety of toys – Part 1: Mechanical and Physical Properties 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 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability Pass
EN71-3:2013 + A1:2014 under European Directive 2009/48/EC – Migration of certain elements Pass

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

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Signed for and on behalf of

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

Wallace Lui

Senior Technical Manager, Asia



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Result:

1.ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass (See Detail of test result)</u>
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass (See Detail of test result)</u>
4.3.5.2	Heavy Metal in Substrate Materials	<u>Pass (See Detail of test result)</u>
4.6.1	Small Objects	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.11	Nails and Fasteners	<u>Pass</u>
4.12	Plastic Film	<u>Pass</u>
4.13.2	Hinge-Line Clearance	<u>Pass</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
5.16	Promotional Materials	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>Pass</u>
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	<u>Pass</u>
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>
8.10	Compression Test	<u>Pass</u>

** Visual Examination



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Detail of test result:

ASTM F963-11, Clause 4.2 – Flammability Test
Flammability Test on Solid

Sample
Playpen

Burning Rate (inch/sec)
DNI

DNI = Did Not Ignite

Requirement: A toy / component is considered a “flammable solid” if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

American Society for Testing and Materials -ASTM F 963-11 - total Lead in Substrate Materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1002-08.3. Analysis was performed by AAS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>	<u>003</u>	<u>004</u>
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>	<u>006</u>	<u>007</u>
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>008</u>	<u>009</u>	<u>010</u>
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>011</u>		
Total Lead (Pb)	100	mg/kg	20	ND		

American Society for Testing and Materials -ASTM F 963-11 - total Lead in paint and similar surface-coating materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by AAS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Total Lead (Pb)	90	mg/kg	20	ND

American Society for Testing and Materials –ASTM F 963-11 – soluble heavy metal in Substrate Materials/paint and similar surface-coating materials(as specified by client)

Test Method : Soluble Heavy Metal contents (Clause 4.3.5) - Sample was extracted by dilute hydrochloric acid in accordance with ASTM F 963-11(Claue 8.3), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Soluble Lead (Pb)	90	mg/kg	5	-	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	-	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	-	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	-	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	-	ND	ND



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Soluble Mercury (Hg)	60	mg/kg	5	-	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	-	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	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	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

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	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	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

Test Item(s)	Limit	Unit	MDL	010	011
Soluble Lead (Pb)	90	mg/kg	5	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND

Notes :

- (1) Results shown are of the adjusted analytical results.
- (2) As received, the test portion of sample 001 from one whole sample are less than 10mg, therefore such components were not tested for certain migration elements, as specified in ASTM F963-11 Clause 8.3.3.6 (2) – Selection of Test Portions



Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA16-097513.001	Red coating on door
SN2	SHA16-097513.002	Yellow plastic button
SN3	SHA16-097513.003	Red plastic body
SN4	SHA16-097513.004	Blue plastic body
SN5	SHA16-097513.005	Yellow plastic body
SN6	SHA16-097513.006	White plastic body
SN7	SHA16-097513.007	Light blue plastic body
SN8	SHA16-097513.008	Transparent plastic sucking disc
SN9	SHA16-097513.009	Blue plastic connector
SN10	SHA16-097513.010	Red plastic connector
SN11	SHA16-097513.011	Colourful sticker (warning)

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 71-1:2014 – 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:

Clause	Description	Result
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.2	Assembly	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
4.10	Parts moving against each other:	
	4.10.3 Hinges	<u>Pass</u>
4.16	Heavy immobile toys	<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>
	Tension test (Test method 8.4)	<u>Pass</u>
	Tip over test (Test method 8.6)	<u>Pass</u>
	Impact test (Test method 8.7)	<u>Pass</u>
	Compression test (Test method 8.8)	<u>Pass</u>



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	Sharp edge (Test method 8.11)	<u>Pass</u>
	Sharp point (Test method 8.12)	<u>Pass</u>
5.1d	Large and bulky toys	<u>Pass</u>
5.13	Suction cups	<u>Pass</u>
6	Packaging	<u>Pass</u>

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	Absent	/
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. 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.

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:

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



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EN71-3:2013+A1:2014 under European Directive 2009/48/EC-Migration of certain elements

Test Method : With reference to EN71-3:2013+A1:2014, analysis was performed by ICP-OES.
Soluble Organic Tin was analyzed by GC-MS.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Chromium (VI) (Cr 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	5	---	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	-	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 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 Tin (Sn)	180000	mg/kg	4.9	---	ND	ND
Soluble Organic Tin*	12	mg/kg	-	---	ND	ND

Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Chromium (VI) (Cr 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	5	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	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 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 Tin (Sn)	180000	mg/kg	4.9	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	007	008	009
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Testing Center Hangzhou

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Soluble Chromium (VI) (Cr 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	5	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	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 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 Tin (Sn)	180000	mg/kg	4.9	ND	56.9	ND
Soluble Organic Tin*	12	mg/kg	-	ND		ND
^Methyl tin (MeT)	-	mg/kg	0.5		2.5	
^Di-n-propyl tin (DProT)	-	mg/kg	0.5		ND	
^Dibutyl tin (DBT)	-	mg/kg	0.5		ND	
^Tributyl tin (TBT)	-	mg/kg	0.5		ND	
^n-Octyl tin (MOT)	-	mg/kg	0.5		ND	
^Tetrabutyl tin (TeBT)	-	mg/kg	0.5		ND	
^Diphenyl tin (DPhT)	-	mg/kg	0.5		ND	
^Di-n-octyl tin (DOT)	-	mg/kg	0.5		ND	
^Triphenyl tin (TPhT)	-	mg/kg	0.5		ND	
^Butyl tin(BuT)	-	mg/kg	0.5		ND	
Sum of Soluble Organic Tin	12	mg/kg	-		2.5	

Test Item(s)	Limit	Unit	MDL	010	011
Soluble Chromium (VI) (Cr 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	5	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	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 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 Tin (Sn)	180000	mg/kg	4.9	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND



SGS-CSI (Technical Service) Shanghai Co., Ltd.
Testing Center Hangzhou

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Notes :

- (1) 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.
- (2) As received, the test portion of 001 is less than 10mg, therefore such components were not tested for migration of certain elements, as specified in the European Standard EN71-3:2013+A1:2014
- (3) ^ means the Organic Tin specified in EN71-3:2013+A1:2014 and it is analyzed by GC-MS

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA16-054198.001	Red coating on door
SN2	SHA16-054198.002	Yellow plastic button
SN3	SHA16-054198.003	Red plastic body
SN4	SHA16-054198.004	Blue plastic body
SN5	SHA16-054198.005	Yellow plastic body
SN6	SHA16-054198.006	White plastic body
SN7	SHA16-054198.007	Light blue plastic body
SN8	SHA16-054198.008	Transparent plastic sucking disc
SN9	SHA16-054198.009	Blue plastic connector
SN10	SHA16-054198.010	Red plastic connector
SN11	SHA16-054198.011	Colourful sticker (warning)

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.



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Sample Photo:



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*** End of Report ***



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