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CNAS L0599

**Test Report**

No.: SHHL22110527381P

Date: JAN 06, 2023

Page: 1 of 11

ANHUI HONGYUAN CHILDREN PRODUCTS CO., LTD  
68 HUAYUAN ROAD, KONGJI BRANCH.SHUCHENG, ANHUI, CHINA

Sample Description : WOODEN CRIB, DETACHABLE AND REFITTED CHILD BED  
 Style No. : A1250-1/2/3  
 Manufacturer : SHUCHENG HONGYUAN CHILDREN PRODUCTS CO.,LTD  
 Country of Origin : SHUCHENG, LUAN, ANHUI  
 Country of Destination : SPAIN  
 \*\*\*\*\*  
 Source of Sample : SENT BY CLIENT.  
 Sample Receiving Date : NOV 16, 2022  
 1<sup>st</sup> Resubmitted Sample Date : DEC 06, 2022  
 2<sup>nd</sup> Resubmitted Sample Date : DEC 13, 2022  
 Testing Period : NOV 16, 2022 TO JAN 06, 2023

Test Requested	Result
EN 716-1: 2017+AC:2019; EN 716-2:2017 FURNITURE – CHILDREN'S COTS AND FOLDING COTS FOR DOMESTIC USE – PART 1: SAFETY REQUIREMENTS; –PART 2: TEST METHOD	Pass

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

*Melody Zhang*



Melody Zhang  
Authorized Signatory  
(Physical part)

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

*Serena Wang*

Serena Wang  
Authorized Signatory  
(Chemical part)



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**Test Conducted:**

**EN 716-1: 2017+AC:2019; EN 716-2:2017 FURNITURE – CHILDREN'S COTS AND FOLDING COTS FOR DOMESTIC USE – PART 1: SAFETY REQUIREMENTS; –PART 2: TEST METHOD**

Number of test specimen: 1 piece of sample

Test result: Details shown as following table:

Clause	Test items	Rating
<b>4</b>	<b>Safety Requirement</b>	
<b>4.1</b>	<b>General</b> With the exception of the requirements specified in 4.2, the requirements apply both before and after testing in accordance with EN 716–2.	PASS
<b>4.2</b>	<b>Materials</b>	
<b>4.2.1</b>	<b>Materials and surfaces</b> The manufacturer/importer/retailer shall provide verification that all accessible parts meet the relevant requirements from EN 71-3.	PASS (See Chemical Test Result)
<b>4.2.2</b>	<b>Flammability of textiles, coated textiles and plastic coverings</b> When tested in accordance with EN 71-2:2011+A1:2014, 5.4, the maximum rate of spread of flame of textiles, coated textiles or plastic coverings shall be 30 mm/s. When tested in accordance with EN 1103, there shall be no flash-effect.	N/A
	<b>A–deviations</b> National deviation due to regulations, the alteration of which is for the time being outside the competence of the CEN/CENELEC member. This European Standard does not fall under any Directive of the EU. In the relevant CEN/CENELEC countries these A-deviations are valid instead of the provisions of the European Standard until they have been removed.  <b>Great-Britain</b> It is a legal requirement in the UK to comply with the Furniture and Furnishings (Fire) (Safety) Regulations 1988 No 1324 and amendment 1989 No 2358, the Statutory Instrument 1993 No. 207 and Statutory Instrument 2010 No 2205. Filling materials of cots fall under the scope of these Regulations. The materials shall comply with schedules 1 and 2 of these Regulations.	N/A
<b>4.3</b>	<b>Initial stability</b> When tested in accordance with EN 716-2:2017, 5.2, the cot shall not overturn.	PASS
<b>4.4</b>	<b>Construction</b>	
<b>4.4.1</b>	<b>General</b>	
<b>4.4.1.1</b>	<b>Edges and protruding parts</b> Edge and protruding parts accessible during normal use shall be rounded or chambered and free of burrs and sharp edges.	PASS



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Clause	Test items	Rating
4.4.1.2	<b>Self-tapping screws</b> Self-tapping screws shall not be used to fasten any component that is designed to be removed or loosened when dismantling the cot for purposes of transportation or storage.	PASS
4.4.1.3	<b>Labels and decals</b> Glued labels and decals shall not be used on the internal surfaces of cot sides and ends unless they are below the level of the cot base or mattress base.	PASS
4.4.1.4	<b>Small parts</b> When tested in accordance with EN 716-2:2017, 5.5, no accessible part that can be detached shall fit wholly within the small parts cylinder.	PASS
4.4.1.5	<b>Castors and wheels</b> Castors shall not be fitted except in the following arrangement, either: a) Two or more castors/wheels and at least two other support points, or b) At least four castors/wheels, of which at least two can be locked.	PASS
<b>4.4.2</b>	<b>Holes, gaps and openings on the inside of the cot</b>	
4.4.2.1	<b>General</b> With the exception of the holes, gaps and openings specified in 4.4.2.2, 4.4.2.3, 4.4.2.4, 4.4.2.5, 4.4.2.6, 4.4.4.2 and 4.4.4.3 all other accessible holes, gaps and openings shall be less than 7 mm, between 12 mm and 25 mm, or between 45 mm and 65 mm when tested in accordance with EN 716-2:2017, 5.4.1.	PASS
4.4.2.2	<b>Assembly holes</b> There shall be no accessible holes between 7 mm diameter and 12 mm diameter, unless the depth is less than 10 mm.	PASS
4.4.2.3	<b>Distance between cot base and sides and ends</b> When tested in accordance with EN 716-2:2017, 5.4.1, it shall not be possible for the 25 mm cone to pass between the cot base and the sides, and between the cot base and the ends.	PASS
4.4.2.4	<b>Opening in mesh sides and ends</b> When the sides or ends are of mesh, it shall not be possible for the 7 mm cone as described in EN 716-2:2017, 4.1 to pass through the holes of the mesh.	N/A
4.4.2.5	<b>Distance between slats of the cot base</b> When tested in accordance with EN 716-2:2017, 5.4.1, it shall not be possible for the 60 mm cone to pass between two adjacent slats of the cot base.	PASS



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Clause	Test items	Rating
	<p><b>A–deviations</b> National deviation due to regulations, the alteration of which is for the time being outside the competence of the CEN/CENELEC member. This European Standard does not fall under any Directive of the EU. In the relevant CEN/CENELEC countries these A-deviations are valid instead of the provisions of the European Standard until they have been removed.</p> <p><b>SWEDEN</b> Children’s cots provided on the Swedish market shall have a distance &lt; 25 mm between two adjacent slats of the cot base. When tested in accordance with EN 716–2:2017, 5.4.1, it shall not be possible for the 25 mm cone to pass between two adjacent slats of the cot base. This is the interpretation of the Swedish Product Safety Act made by the Swedish Market Court in two court cases: MD 1991:30 and MD 2005:15.</p>	N/A
4.4.2.6	<p><b>Openings in mesh of the cot base</b> When tested in accordance with EN 716-2:2017, 5.4.1, it shall not be possible for the 85 mm cone to pass through a cot base made of mesh.</p>	N/A
4.4.3	<p><b>Head entrapment on the outside of the cot</b> The following requirements do not apply to cots that have mesh or fabric sides/ends and a rigid leg or support system, when the lowest part of the opening is less than 100 mm from the floor.</p> <p>When tested in accordance with EN 716-2:2017, 5.4.2, completely bound openings on the outside(exterior) of the cot that allow passage of the small head probe, shall also allow the large head probe to pass completely through the bound opening.</p> <p>Completely bound openings that allow the large probe to pass completely through shall comply with the requirement for partially bound, V and irregular shaped openings when tested in accordance with EN 716-2:2017, 5.4.2.</p> <p>Partially bound, V and irregular shaped openings shall be constructed so that: a) portion B of the template does not enter the opening when tested in accordance with EN 716-2:2017, 5.4.2; or b) apex of portion A of the template contacts the base of the opening when tested in accordance with EN 716-2:2017, 5.4.2.</p>	PASS
4.4.4	<p><b>Shear and squeeze points</b></p>	
4.4.4.1	<p><b>Shear and squeeze points when setting up and folding</b> If 4.4.4.2 or 4.4.4.3 are not applicable, shear and squeeze points that are created only when setting up or folding are permitted.</p>	PASS



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Clause	Test items	Rating
4.4.4.2	<b>Shear and squeeze points under the influence of powered mechanisms</b> Where powered or spring loaded mechanisms are used, the distance between two accessible parts moving relative to each other shall always be greater than 18 mm or smaller than 5 mm.	N/A
4.4.4.3**	<b>Shear and squeeze points during use</b> There shall be no accessible shear and squeeze points which close to less than 18 mm unless they are always less than 5 mm before and during the last load application according to EN 716-2:2017, 5.9.1.	PASS
4.4.5	<b>Snag points</b> When tested in accordance with EN 716-2:2017, 5.10, the mass shall not be supported by any part accessible from inside the cot. Parts of cot sides and ends more than 1400 mm above the cot base are considered not accessible.	PASS
4.4.6	<b>Locking systems</b>	
4.4.6.1	<b>Locking systems for folding cots</b> Folding cot that fold towards the inside shall be equipped at least two locking systems fulfilling the requirements of 4.4.6.2.  All other folding cots shall be equipped with a locking system fulfilling the requirements of 4.4.6.2 in order to prevent an unintentional folding.  The cot shall not fold and the locking system shall fulfill its function when tested in accordance with EN 716-2:2017, 5.11.	N/A
4.4.6.2	<b>All locking systems</b> With the exception of the locks on castors/wheels, all locking systems shall: a) have a residual force of at least 50 N (tangential when relevant) for operation when tested in accordance with 5.11 of EN 716-2:2017, 5.11; or b) require at least two consecutive actions operating on different principles, the second being dependent on the first having been carried out and maintained; or c) require at least two separate but simultaneous actions operating on different principles; or d) have two operating devices separate by a distance of at least 850 mm and required to be operated simultaneously; or e) require the cot base to be lifted to allow folding of the cot. If the weight of the child on the cot base has a positive effect on the locking, this is accepted as an operating device. The locking system shall fulfil its function before and after testing in accordance with EN 716-2:2017, 5.11.	PASS
4.4.7	<b>Cot base</b>	



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Clause	Test items	Rating
4.4.7.1	<b>Folding mattress base and cot base</b> Any folding mattress base or cot base shall not fold when tested in accordance with EN 716-2:2017, 5.7.1	N/A
4.4.7.2	<b>Adjustable cot base</b> If the cot base is adjustable, adjustment from a higher position to a lower position shall require the use of a tool or operation of a locking system, which fulfils the requirements of 4.4.6.2.	PASS
4.4.7.3	<b>Strength of the cot base</b> When tested in accordance with EN 716-2:2017, 5.7.2, no element of the cot base shall break, nor shall the cot base become dislodged and the function of the cot shall not be impaired.	PASS
<b>4.4.8</b>	<b>Sides and ends</b>	
4.4.8.1*	<b>Movable sides</b> In the highest position, movable sides shall be provided with a locking system fulfilling the requirements of 4.4.6.2. The locking system shall engage automatically when the movable side is adjusted to its highest position.  To avoid entrapment hazards when the movable side is in the lowest position one of the following conditions shall be met: a) The locking system shall fulfil the requirements of 4.4.6.2, and shall engage automatically when the movable side is in its lowest position; or b) in its lowest position, the lower component of the movable side is always above the bed base or mattress base; or c) when the movable side is in the lowest position the gap between the lower component of the movable side and the ground or any other component below is always greater than 223 mm.	PASS



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Clause	Test items	Rating
4.4.8.2	With the mattress base in the lowest position, the minimum distance between the upper side of the mattress base and the upper edge of the cot side and end shall be at least 500 mm, when tested in accordance with EN 716-2:2017, 5.9.1 under load.	PASS
	With the mattress base and the sides/ends in the highest position, the minimum vertical distance between the upper side of the mattress base and the upper edge of the cot side and end shall be at least 200 mm.	
	When tested in accordance with EN 716-2:2017, 5.3.3, the minimum distance between the top of any foothold and the upper edge of the cot side and end shall be at least 500 mm.	
	If the mattress is not an integral part of the cot: — the measurement shall be made from the mark of the maximum thickness of the mattress (see Clause 6 j) and the upper edge of the cot side and end; or — if the indication of the maximum thickness of the mattress is provided by a text, the measurement shall be made from the top surface of the cot base and the upper edge of the cot side and end, minus the maximum thickness of the mattress (see Clause 6 j).	
4.4.8.3	<b>Strength of side and end components</b> When tested in accordance with EN 716-2:2017, 5.8.1, 5.8.2 and 5.8.3, the slats or sides and ends and corners shall neither break nor become detached. The function of the cot shall not be impaired.	PASS
	When tested in accordance with EN 716-2:2017, 5.8.4, the threads of the mesh and other flexible materials, e.g. fabrics, plastics shall not break and the function of the cot shall not be impaired.	PASS
4.4.8.4	<b>Strength of frame and fastenings</b> When tested in accordance with EN 716-2:2017, 5.9.1 and 5.9.2, there shall be no breakage. The function of the cot shall not be impaired.	PASS
	The tested in EN 716-2:2017, 5.9.2 is not applicable to folding cots.	
4.4.9	<b>Cot rim</b> No filling shall be removed from the cot rim when tested in accordance with EN 716-2:2017, 5.6, bite test.	N/A
4.5	<b>Final stability</b> When tested in accordance with EN 716-2:2017, 5.12, the cot shall not overturn.	PASS
4.6	<b>Mattress size</b> If a mattress is supplied with the cot, there shall be no gap more than 30 mm between the mattress and the sides end ends in any position of the mattress (see Clause 6 l).	N/A



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Clause	Test items	Rating
5	<b>Packaging</b> Any plastic covering used as packaging for cots, folding cots or mattresses, if applicable, that does not fulfil the requirements of EN 71-1, shall be conspicuously marked with the following information or its equivalent: <b>"To avoid danger of suffocation keep this plastic bag away from babies and children."</b>	N/A
6**	<b>Instructions for use</b>	PASS
7	<b>Marking</b>	PASS

Notes: N/A =Not applicable.

Item with \* means it passed at the first retest.

Item with \*\* means it passed at the second retest.

**Remark:**

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- The declaration of conformity is based on acceptance limits chosen based on simple acceptance ( $w = 0, AL = TL$ ).  
 Statements of conformity are reported as:  
 Passed - The measured values were observed in tolerance at the points tested.  
 Failed - One or more measured values were observed out of tolerance at the points tested.
- The PDF file of information and relative guarantee letter were provided to evaluate the instruction.



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# Test Report

No.: SHHL22110527381P

Date: JAN 06, 2023

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## Chemical Test Result:

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA22-0036643-0001.C001	White coating on wood

### Remarks:

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

**COMMISSION IMPLEMENTING DECISION (EU) 2021/1992 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements (Category III:for scrapped-off toy material)**

Test Method: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Soluble Lead(Pb)	23	mg/kg	5	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND
Soluble Arsenic(As)	47	mg/kg	10	ND
Soluble Barium(Ba)	18750	mg/kg	50	142
Soluble Cadmium(Cd)	17	mg/kg	5	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND
Soluble Selenium(Se)	460	mg/kg	10	ND
Soluble Boron(B)	15000	mg/kg	50	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND
Soluble Zinc(Zn)	46000	mg/kg	50	103
Soluble Copper(Cu)	7700	mg/kg	50	ND
Soluble Aluminum(Al)	28130	mg/kg	50	322
Soluble Nickel(Ni)	930	mg/kg	10	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND
Soluble Organic Tin*	12	mg/kg	-	ND
<b>Conclusion</b>				<b>Pass</b>

### Notes:

(1) According to the Commission Implementing Decision (EU) 2021/1992 of November 15, 2021, published in the OJEU. The EN 71-3:2019+A1:2021 is adopted as the harmonized standard for toys drafted in support of Directive 2009/48/EC.



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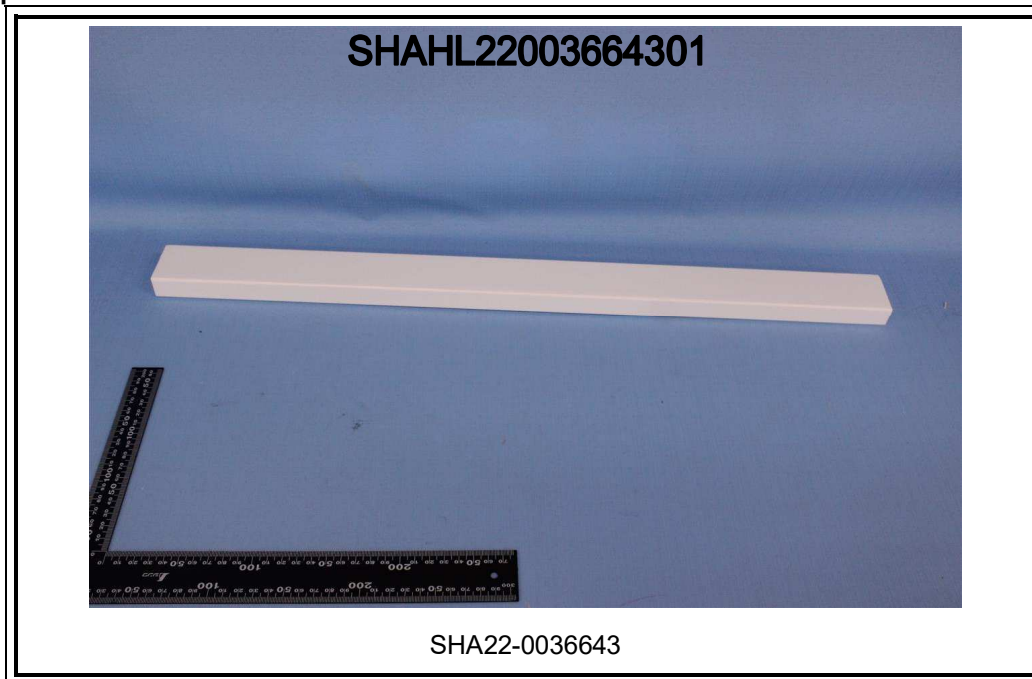
(2) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:

$$\text{Soluble Chromium (III)} = \text{Soluble Total Chromium} - \text{Soluble Chromium (VI)}$$

(3) \*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 EN 71-3:2019+A1:2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

**Sample Photo:**



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### Sample Photo:

Received sample (front view)



Received sample (side view)



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\*\*\*End of Report\*\*\*



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