

## Test Report

NUMBER : TSNH00343523

Applicant : Hebei Tongxiang Baby Products Co.,Ltd  
North of Luozhuang Village Henantuan Town Quzhou County,  
Handan City, Hebei Province, China

Date : Jul 20, 2020

Photo



\*\*\*\*\*

To be continued

Authorized By :  
For Intertek Testing Services  
(Tianjin) Ltd.

David Zhang  
Senior Manager



## Test Report

NUMBER : TSNH00343523

Sample Description:

One (1) submitted sample said to be  
Item Name : Baby crib  
Style No. : TX-C060  
Age grading : 0-6Months  
\*\*\*\*\*

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).  
\*\*\*\*\*

Conclusion:

| <u>Tested Sample/Components</u>          | <u>Standard</u>   | <u>Result</u> |
|--|---|---------------|
| Submitted Sample                         | EN1130:2019 Children's furniture - Cribs - Safety requirements and test methods Excluding clause 8.10 Hazards due to bedside sleeping, clause 9 Mattresses, clause 10 Product information | Pass          |
| (1),(2),(3),(4),(5),(6),(7),(8),(9)&(10) | EN 71-3:2019 on migration of certain elements   | See Comment   |
| Submitted Sample                         | EN71-2 : 2011+A1:2014 Flammability test   | Pass          |

\*\*\*\*\*

Comment: The submitted samples were examined not toys and were not subjected to the scope of the European Standard of Toys EN71. However, as requested by the applicant, the components (1),(2),(3),(4),(5),(6),(7),(8),(9)&(10) were assessed under the requirement of EN71 (Part 3), and the result met the requirement of the standard.  
\*\*\*\*\*

To be continued

Authorized By :  
For Intertek Testing Services  
(Tianjin) Ltd.



David Zhang  
Senior Manager



## Test Report

NUMBER : TSNH00343523

### CRIBS AND CRADLES FOR DOMESTIC

With reference to EN1130: 2019 Children's furniture - Cribs - Safety requirements and test methods, the submitted sample was subjected to the following tests:

Number of Sample Tested: One (1) Piece

Initial inspection: no any damage was found

Executive Summary:

| Clause  | Test items   | Verdict         |
|---------|--|-----------------|
| 6       | Chemical hazards   | SEE TEST DATA#1 |
| 7       | Flammability hazards   | SEE TEST DATA#2 |
| 8       | Mechanical hazards   | -               |
| 8.1     | Crib base inclination  | P               |
| 8.2     | Entrapment hazards from gaps and openings                    | -               |
| 8.2.1   | Finger entrapment hazards                                    | P               |
| 8.2.2   | Other entrapment hazards                                     | P               |
| 8.2.3   | Entrapment hazards outside the crib                          | P               |
| 8.3     | Hazards from moving parts                                    | -               |
| 8.3.1   | Shearing and crushing hazards                                | -               |
| 8.3.1.1 | General requirements   | NA              |
| 8.3.1.2 | Shearing hazards   | NA              |
| 8.3.1.3 | Crushing hazards   | NA              |
| 8.3.2   | Hazards due to body weight                                   | NA              |
| 8.3.3   | Hazards due to unintentional folding of the crib             | P               |
| 8.4     | Hazards due to the movements of the product                  | -               |
| 8.4.1   | Hazards due to the movement of cradles and suspended cribs   | NA              |
| 8.4.2   | Castors and wheels   | NA              |
| 8.4.3   | Locking system for foldable or adjustable legs and feet      | NA              |
| 8.5     | Falling hazards  | -               |
| 8.5.1   | Height of sides and ends                                     | P               |
| 8.5.2   | Hazards due to inadvertent release of adjustable sides       | NA              |
| 8.5.3   | Locking system for adjustment in height or angle of the base | NA              |
| 8.5.4   | Stability  | P               |
| 8.5.5   | Structural integrity of suspended cribs                      | NA              |
| 8.6     | Entanglement hazards   | NA              |
| 8.7     | Choking and ingestion hazards                                | P               |
| 8.8     | Suffocation hazards  | -               |
| 8.8.1   | Hazards due to the deflection of the base                    | P               |
| 8.8.2   | External suffocation hazards                                 | NA              |

## Test Report

NUMBER : TSNH00343523

|        |  |    |
|--------|--|----|
| 8.8.3  | Plastic packaging  | P  |
| 8.9    | Hazards from sharp points and edges                                  | -  |
| 8.9.1  | General requirement  | P  |
| 8.9.2  | Requirement on attachment devices for suspended cribs                | NA |
| 8.10   | Hazards due to bedside sleeping                                      | NR |
| 8.11   | Structural integrity   | -  |
| 8.11.1 | Connecting screws  | P  |
| 8.11.2 | Static strength  | P  |
| 8.11.3 | Strength of sides, structural members of the sides, ends and corners | P  |
| 8.11.4 | Vertical static load   | P  |
| 9      | Mattresses   | NR |
| 10     | Product information  | NR |

Abbreviation: **P**=Pass; **NA**=Not Applicable; **NR** = Not Requested

\*\*\*\*\*

To be continued



## Test Report

NUMBER : TSNH00343523

### #1. 19 Toxic Elements Migration Test

#### (A) Test Result

As per EN 71-3:2019 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

| Element                    | Result (mg/kg) |          |          |          |          | Limit (mg/kg) |
|----------------------------|----------------|----------|----------|----------|----------|---------------|
|                            | (1)            | (2)      | (3)      | (4)      | (5)      |               |
| Aluminium (Al)             | < 300          | < 300    | < 300    | < 300    | 2184     | 70000/28130◎  |
| Antimony (Sb)              | < 10           | < 10     | < 10     | < 10     | < 10     | 560           |
| Arsenic (As)               | < 10           | < 10     | < 10     | < 10     | < 10     | 47            |
| Barium (Ba)                | < 10           | < 10     | < 10     | < 10     | < 10     | 18750         |
| Boron (B)                  | < 50           | < 50     | < 50     | < 50     | < 50     | 15000         |
| Cadmium (Cd)               | < 5            | < 5      | < 5      | < 5      | < 5      | 17            |
| Chromium (III) (Cr III) ** | < 10           | < 10     | < 10     | < 10     | < 10     | 460           |
| Chromium (VI) (Cr VI) **   | < 0.025#       | < 0.025# | < 0.025# | < 0.025# | < 0.025# | 0.053         |
| Cobalt (Co)                | < 10           | < 10     | < 10     | < 10     | < 10     | 130           |
| Copper (Cu)                | < 10           | < 10     | < 10     | < 10     | 256      | 7700          |
| Lead (Pb)                  | < 10           | < 10     | < 10     | < 10     | < 10     | 23            |
| Manganese (Mn)             | < 10           | < 10     | < 10     | < 10     | < 10     | 15000         |
| Mercury (Hg)               | < 10           | < 10     | < 10     | < 10     | < 10     | 94            |
| Nickel (Ni)                | < 10           | < 10     | < 10     | < 10     | < 10     | 930           |
| Selenium (Se)              | < 10           | < 10     | < 10     | < 10     | < 10     | 460           |
| Strontium (Sr)             | < 100          | < 100    | < 100    | < 100    | < 100    | 56000         |
| Tin (Sn)                   | < 10           | < 10     | < 10     | < 10     | < 10     | 180000        |
| Organic tin **             | < 3.0          | < 3.0    | < 3.0    | < 3.0    | < 3.0    | 12            |
| Zinc (Zn)                  | < 100          | < 100    | < 100    | < 100    | 40360    | 46000         |

\*\*\*\*\*

To be continued

## Test Report

NUMBER : TSNH00343523

| Element                    | Result (mg/kg) |          |          |          |          | Limit (mg/kg) |
|----------------------------|----------------|----------|----------|----------|----------|---------------|
|                            | (6)            | (7)      | (8)      | (9)      | (10)     |               |
| Aluminium (Al)             | < 300          | < 300    | < 300    | < 300    | < 300    | 70000/28130©  |
| Antimony (Sb)              | < 10           | < 10     | < 10     | < 10     | < 10     | 560           |
| Arsenic (As)               | < 10           | < 10     | < 10     | < 10     | < 10     | 47            |
| Barium (Ba)                | < 10           | < 10     | 766      | < 10     | < 10     | 18750         |
| Boron (B)                  | < 50           | < 50     | < 50     | < 50     | < 50     | 15000         |
| Cadmium (Cd)               | < 5            | < 5      | < 5      | < 5      | < 5      | 17            |
| Chromium (III) (Cr III) ** | < 10           | < 10     | < 10     | < 10     | < 10     | 460           |
| Chromium (VI) (Cr VI) **   | < 0.025#       | < 0.025# | < 0.025# | < 0.025# | < 0.025# | 0.053         |
| Cobalt (Co)                | < 10           | < 10     | < 10     | < 10     | < 10     | 130           |
| Copper (Cu)                | < 10           | < 10     | < 10     | < 10     | < 10     | 7700          |
| Lead (Pb)                  | < 10           | < 10     | < 10     | < 10     | < 10     | 23            |
| Manganese (Mn)             | < 10           | < 10     | < 10     | < 10     | < 10     | 15000         |
| Mercury (Hg)               | < 10           | < 10     | < 10     | < 10     | < 10     | 94            |
| Nickel (Ni)                | < 10           | < 10     | < 10     | < 10     | < 10     | 930           |
| Selenium (Se)              | < 10           | < 10     | < 10     | < 10     | < 10     | 460           |
| Strontium (Sr)             | < 100          | < 100    | 180      | < 100    | < 100    | 56000         |
| Tin (Sn)                   | < 10           | < 10     | < 10     | < 10     | < 10     | 180000        |
| Organic tin **             | < 3.0          | < 3.0    | < 3.0Δ   | < 3.0    | < 3.0    | 12            |
| Zinc (Zn)                  | < 100          | < 100    | 315      | < 100    | < 100    | 46000         |

\*\*\*\*\*

To be continued

## Test Report

NUMBER : TSNH00343523

Remark: mg/kg = Milligram per kilogram based on dry weight of sample

++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

⊙ = The new Aluminium (Al) migration limit [2250mg/kg for Category (I), 560mg/kg for Category (II), 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was calculated by summation of the migration values of Methyl tin, Dimethyl tin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Monobutyl tin and Triphenyl tin. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019.

The sample weight in bracket(s) were for soluble toxic elements analysis only.

Tested Component(s):

- (1) Grey fabric for sample use
- (2) White fabric with yellow&brown plus sign for sample use(lining)
- (3) Black fabric for sample use(zipper)
- (4) Black plastic for sample use(zipper)
- (5) Black coating for sample use(zipper) [The sample weight was only 17.1 mg]
- (6) White mesh for sample use
- (7) Grey plastic for sample use(frame)
- (8) Grey coating for sample use
- (9) Black plastic for sample use(frame)
- (10) Sew-in lable [The sample weight was only 81.9 mg]

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

\*\*\*\*\*

To be continued

## Test Report

NUMBER : TSNH00343523

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone , leather and other materials).

### #2. Flammability Test

As per European Standard on Safety of Toys EN71-2:2011+A1:2014

| <u>Clause</u> | <u>Testing items</u>  | <u>Assessment</u> |
|---------------|---|-------------------|
| 4.1           | General   | P                 |
| 4.2           | Toys to be worn on the head   | NA                |
| 4.3           | Toy disguise costumes and toys intended to be worn by a child in play | NA                |
| 4.4           | Toys intended to be entered by a child                                | NA                |
| 4.5           | Soft filled toys  | NA                |

Remark : P = Pass    NA = Not applicable

Date sample received: Jun 03, 2020

Testing period: Jun 03, 2020 To Jul 20, 2020

\*\*\*\*\*

End of report

*This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.*