Test Report

TAIZHOU BABYHOOD BABY PRODUCTS CO., LTD
HUANGYAN, TAIZHOU, ZHEJIANG, CHINA

The following sample(s) was/were submitted and identified by the client as:

Sample Description : HIGH CHAIR

SGS Ref. No. : SHTY130500008306

Sample Receiving Date : MAY.27,2013

1st Resubmitted Sample Date : JUN.08,2013

2nd Resubmitted Sample Date : JUN.19,2013

3rd Resubmitted Sample Date : JUL.01,2013

Testing Period : MAY.27,2013 TO JUL.03,2013

Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT

Test Requested : EN 14988:2006+A1:2012(E) - CHILDREN'S HIGH CHAIR -
PART 1: SAFETY REQUIREMENTS-EXCLUDING
CLAUSE 4.1, CLAUSE 7 AND CLAUSE 8; - PART 2: TEST
METHODS.

Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)

Conclusion : THE SUBMITTED SAMPLE MET THE TEST
REQUIREMENT OF REQUESTED TEST ITEMS.

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Signed for and on behalf of
SGS-CSTC Ltd.

Oliva Kou
Operation Manager
Test Conducted:

1. Scope
This European Standard specifies safety requirements for children’s high chairs intended for children from 6 months to 36 months of age.
If the product can be converted into a product for which an EN safety standard exists, the product shall also fulfill the requirements of that standard.

2. Number of test specimen: 1 Piece of Packaged sample
3. Number of 1st resubmitted test specimen: 1 Piece of seat and tray.
4. Number of 2nd resubmitted test specimen: 1 Piece of seat and tray.
5. Number of 3rd resubmitted test specimen: 1 Piece of seat and tray.
6. Test Result: Details Shown As Following Table:

<table>
<thead>
<tr>
<th>Clause</th>
<th>Test Method/ Requirement</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Materials</td>
<td></td>
</tr>
<tr>
<td>4.1</td>
<td>Materials and surfaces</td>
<td>N/C</td>
</tr>
<tr>
<td></td>
<td>Materials shall be visually clean and free of infestation.</td>
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<tr>
<td></td>
<td>The manufacturer/importer/retailer shall provide verification that accessible materials and surfaces meet the relevant requirements of EN 71-3.</td>
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<tr>
<td>5</td>
<td>Construction</td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>General</td>
<td>Pass</td>
</tr>
<tr>
<td></td>
<td>The requirements apply to a high chair assembled and erected in accordance with the manufacturer’s instructions.</td>
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<tr>
<td></td>
<td>If parts of the high chair are designed to be removable (e.g. a tray or a footrest), the requirements apply to the high chair with and without these part(s).</td>
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<td></td>
<td>Connecting screws for direct fastening, e.g. self tapping screws, shall not be used for the assembly of any component that is designed to be removed or loosened when dismantling the high chair for the purpose of transportation or storage.</td>
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<td></td>
<td>Exposed edges and protruding parts shall be rounded or chamfered and free from burrs and sharp edges.</td>
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</table>
| 5.2 | **Holes, gaps and openings**  
With the exception of all parts of the high chair below the under-surface of the seat, the integral harness and the waist belt, there shall be no holes, gaps or openings between 7 mm and 12 mm accessible when the child is seated, which are deeper than 10 mm, when tested in accordance with EN 14988-2:2006+A1:2012, clause 6.6.2.  
With the exception of the entrance to the seat unit and the two openings for the child’s legs to pass through, there shall be no holes, gaps or openings above the seat surface which allows the small torso probe to pass through when tested according to EN 14988-2:2006+A1:2012, clause 6.6.2. | Pass |
| 5.3 | **Moving parts**  
The requirements of this clause do not apply to locking mechanisms.  
To avoid the risk of shearing and crushing, shear and compression points shall be avoided. If shear and compression points cannot be eliminated for functional reasons, then the conditions for individual cases in 5.3.1, 5.3.2 and 5.3.3 shall be applied. | Pass |
| 5.3.1 | **Shear and squeeze points when setting up and folding away**  
Shear and squeeze points that are accessible only when the product is being set up or folded away are permitted if they are not under the influence of a powered mechanism. | Pass |
| 5.3.2 | **Shear and squeeze points under the influence of powered mechanism**  
If shear and squeeze points are created by parts operated by spring force or other sources of energy, the distance between moving parts shall not be less than 18 mm unless the distance is always less than 5 mm when tested according to IEN 14988-2:2006+A1:2012", clause 6.6.1. | N/A |
5.3.3 Shear and compression points under the influence of body weight or other external forces

When tested in accordance with EN 14988-2:2006+A1:2012, clause 6.6.1, any part of the product which can fold or be detached shall be locked to avoid release by the child using the product, by another child or by unintentional action by an adult.

Unintentional movement is ruled out if:

a) locking mechanism is automatically engaged and the load has a closing effect on the locking mechanism;

or

b) at least two independent locking mechanisms are provided for the movable part or system;

or

c) locking mechanisms under load cannot be released unintentionally.

When the product has been deployed for use, there shall be no accessible squeeze points which can be closed to less than 12 mm when tested according to EN 14988-2:2006+A1:2012 clause 6.6.2.

5.4 Locking mechanisms for folding high chairs

5.4.1 General

Locking mechanisms are required to prevent a high chair from folding whilst a child is in the high chair and also when a child is being put in and taken out of the high chair.

5.4.2 Incomplete deployment

To avoid the hazard due to incomplete deployment, either:

a) weight of the child using the product shall act to prevent the folding; or

b) at least one locking mechanism shall engage automatically when the product is deployed for use.
### 5.4.3 Unintentional folding of the high chair

Unintentional folding of the high chair shall be avoided. This requirement is fulfilled if:

- a) at least one locking mechanism requires a minimum force of 50 N before and after test in accordance with EN 14988-2:2006+A1:2012, 6.3,
- or
- b) at least one locking mechanism requires the use of a tool to be released,
- or
- c) folding is only possible when two independent locking mechanisms are operated simultaneously,
- or
- d) there are two or more automatically engaging locking devices that cannot be released by one single action,
- or
- e) folding of the high chair requires two consecutive actions, the first of which shall be maintained while the second is carried out.

| N/A |

### 5.4.4 Locking mechanism strength

When tested in accordance with EN 14988-2:2006+A1:2012, clause 6.4, the high chair shall not collapse. The locking mechanism shall remain engaged.

| Pass |

### 5.5 Small parts

When tested in accordance with EN 14988-2:2006+A1:2012, clause 6.5, no part that can be detached shall fit wholly within the cylinder. Parts that clearly will not fit in this cylinder shall not be tested. Any component intended to be removable without the use of a tool shall not fit wholly within the cylinder.

| Pass |

### 5.6 Restraint system
### 5.6.1 General

The high chair shall have an active restraint system complying with 5.6.2 or a passive restraint system complying with 5.6.3.

If the backrest can be reclined to less than 60° to the horizontal, measured in accordance with EN 14988-2:2006+A1:2012, 6.10.1, the product shall have an active restraint system complying with 5.6.2.

All straps of the restraint system shall have a minimum width of 19 mm.

When a high chair is fitted with attachment points for an additional harness as described in the instructions for use, these shall function as intended after testing in accordance with EN 14988-2:2006+A1:2012, 6.7. These attachment points shall be independently fixed and shall at all times remain within 50 mm in front of and not more than 75 mm above the junction line (see Figure 2).

All parts of the restraint system shall function as intended before and after testing in accordance with EN 14988-2:2006+A1:2012, 6.8.

The maximum slippage of the straps through any type of adjuster shall be 20 mm, when tested in accordance with EN 14988-2:2006+A1:2012, 6.9.

After testing in accordance with EN 14988-2:2006+A1:2012, 6.9, adjusters and buckles shall function as intended.
### 5.6.2 Requirements for high chairs with an active restraint system

The active restraint system shall be supplied with the high chair. The high chair shall be fitted with lateral protection complying with 5.7.2 or 5.7.3. The restraint system shall comprise of at least one of the following:

- a) a waist belt adjustable to the size of the child and a crotch strap, where the crotch strap shall be such that the waist belt can be used only in conjunction with it; or
- b) an integral harness adjustable to the size of the child and comprising of either:
  - 1) a crotch restraint, a waist strap and shoulder straps, where the crotch restraint shall be such that the waist strap can be used only in conjunction with it; or
  - 2) straps that pass over the child’s shoulders and between the child’s legs.

| N/A |
### 5.6.3 Requirements for high chairs with a passive restraint system

When the high chair is not supplied with an active restraint system, a passive restraint system shall be provided complying with the following requirements:

- a) the high chair shall be fitted with lateral protection complying with 5.7.3;
- b) the high chair shall comprise a crotch restraint and a horizontal element which create two openings for the child’s legs;
- c) the leg openings shall not allow passage of the wedge block when tested in accordance with EN 14988-2:2006+A1:2012, 6.14.1;
- d) when tested in accordance with EN 14988-2:2006+A1:2012, 6.14.2, there shall be no vertical gap between the passive crotch restraint and either the horizontal element or the seating surface that allows free passage of the leg probe from one leg opening to the other;
- e) the horizontal distance between the front surface of the backrest and the crotch restraint shall be less than 216 mm when measured in accordance with EN 14988-2:2006+A1:2012, 6.15;
- f) the horizontal distance between the front surface of the backrest and the horizontal member shall be less than 250 mm when measured in accordance with EN 14988-2:2006+A1:2012, 6.16.

### 5.7 Lateral protection

#### 5.7.1 General

The high chair shall be fitted with lateral protections.

#### 5.7.2 Lateral protection length and height for high chairs fitted with an active restraint system

The lateral protection shall have a height of at least 140 mm, when measured in accordance with EN 14988-2:2006+A1:2012, 6.13.1 for at least the length specified below. Openings in the lateral protections are allowed, provided that they comply with all the relevant requirements of this standard.

The lateral protection shall extend from the backrest to the position at which the crotch restraint is fixed to the seat, but shall never be shorter than 150 mm, when measured in accordance with EN 14988-2:2006+A1:2012, 6.13.2.
### 5.7.3 Lateral protection length and height for high chairs with a passive restraint system

The lateral protections shall extend from the backrest to the horizontal component in front of the torso of the child. Openings in the lateral protections are allowed, provided that they comply with all the relevant requirements of this standard.

The lateral protection shall have a height of at least 140 mm on the whole length of the lateral protection when measured in accordance with EN 14988-2:2006+A1:2012, 6.13.1.

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### 5.8 Back rest

The high chair shall be fitted with a back rest with a minimum height of 250 mm measured in the upright position in accordance with EN 14988-2:2006+A1:2012, 6.10.2.

If the angle of the back rest is less than 60° from the horizontal, measured in accordance with EN 14988-2:2006+A1:2012, 6.10.1, the minimum length shall be 400 mm, measured in accordance with EN 14988-2:2006+A1:2012, 6.10.3

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### 5.9 Reclinable back rest

When tested in accordance with EN 14988-2:2006+A1:2012, 6.10.4, the mechanism allowing the back rest of the high chair to be adjusted shall not slip from one position to another.

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### 5.10 Seat front edge

The upper front edge of the seat shall have a radius of at least 5 mm.

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### 5.11 Castors and wheels

High chairs may be fitted with a maximum of two wheels or castors.

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<thead>
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### 5.12 Structural integrity

After testing in accordance with EN 14988-2:2006+A1:2012, 6.2, 6.11, 6.12, 6.18.1, 6.18.2, 6.18.3, the requirements for edges, openings, locking mechanisms and stability shall be fulfilled and the functions of the high chair shall be unimpaired.

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<tbody>
<tr>
<td>Pass</td>
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</table>
5.13 Durability of locking mechanism

6 Stability

6.1 General
If parts of the high chair are designed to be removable (e.g. a tray or a footrest) the requirements apply to the high chair with and without these part(s).

6.2 Sideways
When tested in accordance with EN 14988-2:2006+A1:2012, 6.17.3, the high chair shall not overturn.

6.3 Rearwards
When tested in accordance with EN 14988-2:2006+A1:2012, 6.17.4, the high chair shall not overturn.

6.4 Forwards
When tested in accordance with EN 14988-2:2006+A1:2012, 6.17.5, the high chair shall not overturn.

6.5 Foot rest
When tested in accordance with EN 14988-2:2006+A1:2012, 6.17.6, the high chair shall not overturn.

6.6 Tray
When tested in accordance with EN 14988-2:2006+A1:2012, 6.18.2, the high chair shall not overturn.
7 Packaging
Any plastic covering used as packaging that does not fulfil the requirements on EN 71-1, shall be conspicuously marked in the official language(s) of the country where the high chair is sold with the following warning:

“TO AVOID DANGER OF SUFFOCATION REMOVE PLASTIC COVER BEFORE USING THIS ARTICLE.
THIS COVER SHALL BE DESTROYED OR KEPT AWAY FROM BABIES AND CHILDREN”

Note: the warning may be expressed in different words if those words convey clearly the same warning.

8 Product information
N/C

Note: N/A = Not applicable; N/C= Not conducted as per client’s request

Remark:
For Assembling:
No defect observed before testing, sample was pre-assembled properly/ assembled properly followed by provided assembly instruction manual.
Sample Photo:

Front view of test sample

Side view of test sample

***End of Report***