

## Test Report

Number: SHAH0082686201

Applicant: NINGBO AOZEN BABY PRODUCTS CO., LTD.  
NO. 1, ZHONGLIE ROAD ,SUNJIAJING  
VILLAGE, HENGHE TOWN, CIXI, NINGBO,  
ZHEJIANG, CHINA  
Attn: LIU FEI

Date: 31 Aug, 2017

### Sample Description:

One (1) piece of submitted sample said to be **Baby playpen**  
Item Name : Baby playpen  
Item No. : PLP-WL004-14; PLP-W007-14  
Goods Exported To : U.S.A  
Country Of Origin : CHINA

### Tests Conducted:

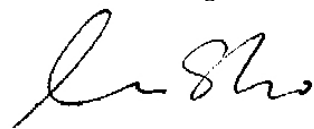
As requested by the applicant, for details refer to attached page(s).

### Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	ASTM F 1004 – 16b Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures Partial Test	Pass
Tested components of submitted sample	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
	Bisphenol-A content	See Test Conducted

To be continued

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



Leo Shi  
General Manager



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Tests Conducted

**1.EXPANSION GATES AND EXPANDABLE ENCLOSURES**

As requested by client, with reference to ASTM F 1004 – 16b Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures, 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
1	Scope.	-
2	Referenced Documents.	-
3	Terminology	-
4	Calibration and Standardization	-
5	General Requirements	P
5.1	Wood Parts	NA
5.2	Screws	P
5.3	Sharp Points or Edges	P
5.4	Small Parts	P
5.5	Openings	P
5.6	Exposed Coil Springs	NA
5.7	Scissoring, Shearing, and Pinching	Note #1
5.8	Labeling	NA
5.9	Paint and Surface Coatings	NA
5.10	Protective Components	NA
6	Performance Requirements	P
6.1.1	Completely-Bounded Openings	P
6.1.2	Height of Sides	P
6.1.3	Vertical Strength	P
6.1.4	Bottom Spacing	P
6.2	Latching/Locking and Hinge Mechanisms	P
6.2.1	Pressure Mounted Gates	NA
6.2.2	Units with Egress Panels	P
6.3	Push-out Test	NA
6.4	Locking Device	P
10	Keywords	-

Abbreviation: P=Pass; NA=Not Applicable; F=Fail; NC = Not Conducted; NR = Not Requested

Remark:

#1. The sample was not applicable to this standard, the test was conducted due to the client's request.

**Note:**

#1. The rolling ball and gear set on the panel admitted 0.21 in. probe but not 0.375 in. probe.

As requested by client, the ASTM F963 was not conducted. The toy component was accessed according to the ASTM F1004.



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### Requirement

5.7 Scissoring, Shearing, and Pinching—The gate/expandable enclosure when in the manufacturer's recommended use position(s) shall be designed and constructed to prevent injury to the child from any scissoring, shearing, or pinching when members or components rotate about a common axis or fastening point, slide, pivot, fold, or otherwise move relative to one another. Scissoring, shearing, or pinching that may cause injury shall not be permissible when the edges of any rigid parts admit a probe greater than 0.210 in. (5.33 mm) and less than 0.375 in. (9.53 mm) diameter at any accessible point through the range of motion of such parts.

### 2 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method CPSC-CH-E1002-08.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(2)	25	100
(4)	<10	100

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: Jun.15, 2017

Testing Period: Jun.15, 2017 To Jun.20, 2017

### 3 Bisphenol-A Content

By solvent extraction and followed by Liquid Chromatography-Mass Spectrometry (LC-MS/MS) analysis.

<u>Tested Components</u>	<u>Result (mg/kg)</u>
(1)	ND
(7)	ND

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Remark: ND = Not Detected  
Detection Limit = 1.0mg/kg

### Testing Summary:

Extraction solvent: (chloroform : methanol = 2: 1(v/v))  
Ultrasonic bath extraction temperature: 70°C ± 2°C  
Extraction time: 60minutes ± 5 minutes

Date Sample Received: Jun.15, 2017

Testing Period: Jun.15, 2017 To Jun.20, 2017



Picture 1: Sample as Received

Date Sample Received: Jun.15, 2017 & Aug.10, 2017 & Aug.23, 2017 & Aug.30, 2017

Testing Period: Jun.15, 2017 to Aug.31, 2017

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### Components List:

- (1) White plastic.(004)
- (2) Blue plastic.(007)
- (3) Yellow plastic.(007)
- (4) Pink plastic.(004)
- (5) Green plastic.(004)
- (6) Purple plastic.(004)
- (7) Transparent soft plastic.(004)

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End of report

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