

## Test Report

Number: SHAH01241544

Applicant: KUNSHAN KATE CHILDREN PRODUCTS  
CO.,LTD.  
ROOM 12,NO.158 OF XIJIANG ROAD,  
KUNSHAN DEVELOPMENT ZONE,  
JIANGSU,CHINA.  
Attn: HAOFULAI

Date: 14 Aug, 2020

### Sample Description:

One (1) group of submitted sample said to be :  
Item Name : BABY BEDSIDE SLEEPER  
Item No. : K6  
Age Group for testing : 0-9 months  
Country Of Origin : China

### Tests Conducted:

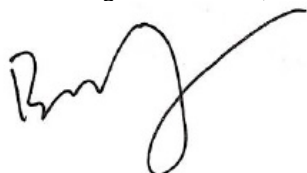
As requested by the applicant, for details refer to attached page(s).

### Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	EN1130:2019 Children's furniture - Cribs - Safety requirements and test methods Excluding clause 6 Chemical hazards	Pass
	BS EN 16890:2017Children's furniture — Mattresses for cots and cribs — Safety requirements and test methods Excluding clause 6 Chemical hazards	Pass
Tested components of submitted sample	Formaldehyde Content	See Test Conducted

To be continued

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



Bill Zhang  
General Manager



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Tests Conducted

### 1. 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	NR
7	Flammability hazards	P(see #2 & #3)
8	Mechanical hazards	P
8.1	Crib base inclination	P
8.2	Entrapment hazards from gaps and openings	P
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	P
8.3.1	Shearing and crushing hazards	P
8.3.1.1	General requirements	P
8.3.1.2	Shearing hazards	P
8.3.1.3	Crushing hazards	P
8.3.2	Hazards due to body weight	P
8.3.3	Hazards due to unintentional folding of the crib	P
8.4	Hazards due to the movements of the product	P
8.4.1	Hazards due to the movement of cradles and suspended cribs	NA
8.4.2	Castors and wheels	P
8.4.3	Locking system for foldable or adjustable legs and feet	P
8.5	Falling hazards	P
8.5.1	Height of sides and ends	P
8.5.2	Hazards due to inadvertent release of adjustable sides	P
8.5.3	Locking system for adjustment in height or angle of the base	P
8.5.4	Stability	P
8.5.5	Structural integrity of suspended cribs	NA
8.6	Entanglement hazards	P
8.7	Choking and ingestion hazards	P
8.8	Suffocation hazards	P
8.8.1	Hazards due to the deflection of the base	P
8.8.2	External suffocation hazards	NA
8.8.3	Plastic packaging	P
8.9	Hazards from sharp points and edges	P
8.9.1	General requirement	P
8.9.2	Requirement on attachment devices for suspended cribs	P
8.10	Hazards due to bedside sleeping	P
8.10.1	Hazards due to the drop side	P
8.10.2	Hazards from bedside sleepers disengagement	P
8.10.3	Bedside sleeper attachment system	P
8.11	Structural integrity	P
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	See EN 16890
10	Product information	P (Remark #1)
10.1	General	P

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Clause	Test items	Verdict
10.2	Marking	P
10.3	Purchase information	P
10.4	Instructions for use	P
10.4.1	General	P
10.4.2	Warnings	P
10.4.3	Information for all cribs	P
10.4.4	Information for suspended cribs	NA
10.4.5	Information for bedside sleepers	P

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

Remark:

#1. The evaluation or testing related to packaging, instruction and marking is based on the artwork submitted by the applicant rather than on the actual sample of packaging, instruction and marking

Part of the evaluation or testing need to perform the actual sample and was not conducted, those include: letter height.

**2.Children's furniture — Mattresses for cots and cribs**

With reference to BS EN 16890:2017Children's furniture — Mattresses for cots and 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	NR
7	Fire and thermal hazards	P(see #2 & #3)
8	Mechanical hazards	P
8.1	Entrapment hazards from gaps and openings	P
8.1.1	Entrapment hazards between the mattress and the sides	P
8.1.2	Body entrapment hazards	P
8.1.3	Entanglement hazards	NA
8.2	External suffocation hazards	P
8.2.1	Labels and decals	NA
8.2.2	Plastic packaging	P
8.2.3	Firmness	NA
8.3	Choking and internal suffocation hazards	P
8.3.1	Small parts	P
8.3.2	Accessibility to filling materials	P
8.3.2.1	General	-.
8.3.2.2	Requirements	P
8.3.2.2.1	Mattress cover made of woven fabrics	P
8.3.2.2.2	Mattress covers made of other materials	NA
8.3.2.2.3	Removable mattress covers	P
8.3.2.2.4	Strength of slide fasteners (zip)	P
8.3.2.2.5	Strength of seams	P
8.4	Hazards due to edges and protrusions	P
8.5	Structural integrity	P
9	Product information	P (Remark #1)
9.1	Marking	P
9.2	Purchase information	P
9.3	Instruction for use	P

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



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### Tests Conducted

#### 3 Formaldehyde Content

As per test method ISO 14184-1:2011, formaldehyde content was determined by UV-Visible Spectrophotometer(UV-Vis) analysis.

<u>Tested Component</u>	<u>Result (mg/kg)</u>
(1)	ND
(2)	ND
(3)	33
(4)	ND

Remark: ND = Not Detected  
Detection Limit = 5.0 mg/kg

Tested Component(s): See component list in the last section of this report.

Date Sample Received: Jul.17, 2020

Testing Period: Jul.17, 2020 to Aug.3, 2020

#### #1 Flammability Test (EN 597-1: 2015, Cigarette Test):△

The apparatus and method of testing were those described in EN 597-1: 2015 for mattress, upholstered bed bases or mattress pads. Test carried out in assessing the ignitability of upholstered components when subjected to a smouldering cigarette.

Test Result: Non-Ignition

Test on flat portion of the upper surface

<u>Progressive Smouldering Failure</u>	1	Cigarette 2	3#
(A) Test assembly displays escalating combustion behaviour so that it is unsafe to continue the test	No	No	N/A
(B) Test assembly that smoulders until it is largely consumed within the test duration	No	No	N/A
(C) Test assembly smoulders to its full thickness, within the duration of the test	No	No	N/A
(D) Test assembly smoulders after one hour from the application of the ignition source	No	No	N/A
(E) On final examination progressive smouldering is observed	No	No	N/A
<u>Flaming Failure</u>			
(A) Occurrence of any flaming initiated by a smouldering source	No	No	N/A

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Test Assembly	Time To Extinction After Placement Of Ignition Source			
	Flaming Ceased Time		Smoking Ceased Time	
	Min	Sec	Min	Sec
1	0	0	21	12
2	0	0	21	07
3#	-	-	-	-

Remark :

No = No, was not observed

N/A = Not applicable

# = If one of two initial cigarettes fails to smoulder its complete length, repeat the test with the third cigarette

Atmosphere for conditioning - The materials shall be conditioned for at least 24 hr in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%.

Test Result: Non-Ignition

Test on flat portion of the taped-edge

	1	2	3#
<u>Progressive Smouldering Failure</u>			
(A) Test assembly displays escalating combustion behaviour so that it is unsafe to continue the test	No	No	N/A
(B) Test assembly that smoulders until it is largely consumed within the test duration	No	No	N/A
(C) Test assembly smoulders to its full thickness, within the duration of the test	No	No	N/A
(D) Test assembly smoulders after one hour from the application of the ignition source	No	No	N/A
(E) On final examination progressive smouldering is observed	No	No	N/A
<u>Flaming Failure</u>			
(A) Occurrence of any flaming initiated by a smouldering source	No	No	N/A

Test Assembly	Time To Extinction After Placement Of Ignition Source			
	Flaming Ceased Time		Smoking Ceased Time	
	Min	Sec	Min	Sec
1	0	0	17	28
2	0	0	17	20
3#	-	-	-	-



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### Tests Conducted

Remark : No = No, was not observed

N/A = Not applicable

# = If one of two initial cigarettes fails to smoulder its complete length, repeat the test with the third cigarette

Atmosphere for conditioning - The materials shall be conditioned for at least 24 hr in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%.

Note : The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the mattress, mattress pad or upholstered bed base in use.

Based Upon The Results Of Flammability Test Reported, The Sample Tested Meet The Performance Requirements Of BS EN 597-1:2015

Date Sample Received: Jul.17, 2020

Testing Period: Jul.17, 2020 to Jul.23, 2020

### #2 Flammability Test On Crib

As per European Standard on Children's furniture – Cribs – Safety requirement and test methods EN 1130:2019.

Clause	Testing Items	Assessment
7	Flammability hazards	Pass #

# = The test specimen was pre-washed according to the EN71-2 clause 5.4.1 before testing.

Date Sample Received: Jul.17, 2020

Testing Period: Jul.17, 2020 to Jul.21, 2020

### #3 Flammability Test On Mat

As per European Standard on Children's furniture – Mattresses for cots and cribs – Safety requirement and test methods EN 16890:2017.

Clause	Testing Items	Assessment
7	Fire and thermal hazards	Pass #

# = The test specimen was pre-washed according to the EN71-2 clause 5.4.1 before testing.



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### Tests Conducted



Picture 1: Sample as received



Picture 2: Package

Date Sample Received: Jul.17, 2020 & Aug.3, 2020 & Aug.5, 2020 & Aug.12, 2020

Testing Period: Jul.17, 2020 to Aug.13, 2020

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### Components List:

- (1) Grey fabric.(body)
- (2) White fabric.(body)
- (3) White mesh.(body)
- (4) Black fabric.(zipper tape)

Remark: △Test Item Is Tested At Location A.

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End Of Report

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