



CONSUMER PRODUCTS SERVICES DIVISION

CIXI HONEYWAY BABY PRODUCTS CO.,LTD

Technical Report: (8522)285-0382

January 09, 2023

Date Received: October 19, 2022

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CIXI HONEYWAY BABY PRODUCTS CO.,LTD
NO. 1118, SUNTANG SOUTH ROAD (SOUTH
SECTION)
HENGHE TOWN
CIXI, ZHEJIANG 315318
CHINA

Sample Description:	BOUNCY CASTLE	Sample Size:	1
Vendor:	CIXI HONEYWAY BABY PRODUCTS CO.,LTD	Style No(s):	342-018
Manufacturer:	CIXI HONEYWAY BABY PRODUCTS CO.,LTD	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	NOT PRESENT	Ref #:	N/A
Appropriate Age Grade:	NOT REQUESTED	Country of Origin:	CHINA
Client Specified Age Grade:	3-12 YEARS	Assortment No.:	N/A
Tested Age Grade:	FOR OTHERS = ADULT, FOR CASTLE = CHILDREN PRODUCTS, FROM 3 TO 12 YEARS OF AGE		
UPC Code:	N/A		

EXECUTIVE SUMMARY:

The sample(s) MEET the following requirement(s):

- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The total lead content of 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The initial total heavy metals content analysis for soluble heavy metals content in surface coating requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The soluble heavy metals content in surface coating requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The requirements of ASTM F2729-18, "Standard Consumer Safety Specification for Constant Air Inflatable Play Devices for Home Use".
- ASTM F2729-18 (ASTM D5034).
- ASTM F2729-18 (ASTM D1683)(>3).



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EXECUTIVE SUMMARY:

Note: According to the associated documents of Consumer Product Safety Improvement Act (CPSIA) of 2008, exemptions were granted to certain materials or products, such as natural materials / paper and similar materials / CMYK process printing inks / metal & alloys / electronics devices components / ordinary books / dyed & undyed textiles. Therefore, the lead content analysis of some components was not conducted.

Note: The related test was tested with blower (450W) provided by client, but the product did not include the blower.

BUREAU VERITAS SHENZHEN CO.,LTD

Victor Pang
Assistant Manager
Toys And Juvenile Products Department

VP/is



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RESULTS:

STANDARD CONSUMER SAFETY SPECIFICATION FOR CONSTANT AIR INFLATABLE PLAY DEVICES FOR HOME USE(ASTM F2729-18)

Section	Requirement	Result
5	General Requirements	
5.1	Hazardous sharp points or edges	M
5.2	Small parts	NA
5.3	Leads & heavy metals in surface coatings	Refer to Lead Content test result
5.4	Lead content in accessible component parts	Refer to Lead Content test result
5.5	Natural air circulation and lines of visibility	M
5.6	Fabric strength	M
5.7	Flexible fabric-like materials - Flammability	M
5.8	Solids - Flammability	M
5.9	Non-climbable netting or mesh	M
5.10	Rope climber nets	NA
5.11	Climber nets	NA
5.12	Climbing ropes	NA
5.13	Zippers	NA
6	Performance Requirements	
6.1	Anchoring	M
6.2	Structural integrity	M
6.3	Deflation	M
6.4	Head and neck entrapment	M
6.5	Angles	M
6.6	Entrapment of body	NA
6.7	Protrusions	NA
6.8	Blowers	M
7	Open Sides, Access and Egress	
7.1	Open sides	NA
7.2	Information on inflatable device surfacing materials	M
7.3	Hand support and rungs	M
7.4	Steps, rung ladders, stepladders, stairways, climbing walls, and ramps	M
7.5	Pocket and bump steps	M
8	Containment	
8.1	Means to contain users	M
8.2	Inflatable devices with a level platform height of greater than 700mm up to and including 3m containment	M
8.3	Inflatable devices with a level platform height of greater than 3m	NA
8.4	Containment on beds of a height of 700mm or lower	M
8.5	Inflatable devices with a level platform height over 2m	NA
8.6	Toys and activities in or on the inflatable device	NA



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RESULTS:

STANDARD CONSUMER SAFETY SPECIFICATION FOR CONSTANT AIR INFLATABLE PLAY DEVICES FOR HOME USE(ASTM F2729-18)

Section	Requirement	Result
9	Slides	
9.1	Slide transition platforms	M
9.2	Slide chute entrance	M
9.3	Sliding surface	M
9.4	Exit region	M
9.5	Slide exit clearance zone	M
10	Marking and Labeling	M
11	Instructional Literature	M

M = Meet NM = Not Meet NA = Not Applicable NR = Not Requested R = Refer to Comment Section



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RESULTS:

TOTAL LEAD CONTENT IN SURFACE COATING BY COMPOSITE TESTING ("Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint", Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1003.09.1:2011

Element:			Lead		
Requirement: Maximum allowable limit:			90 mg/kg		
Sample Description			Result (mg/kg)		Conclusion
Color / Component	Location	Style	Overall	Potential	
(A) Yellow / orange / black / blue / red coating	Warning statement		LT 10	-	PASS
(B) Soft black / soft white coating	Logo		LT 10	-	PASS

LT = Less Than

** = Average of duplicate analyses*

mg/kg = milligrams per kilogram (ppm = parts per million)

Potential = Estimated lead content per component is based on calculation by component individual weight



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RESULTS:

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.3:2012 or U.S. CPSC-CH-E1002-08.3:2012

Analyte	Lead	
Requirement: Maximum allowable limit:	100 mg/kg	

Analyte			Lead (Pb)	Conclusion
Sample Description			Result	
Color / Component	Location	Style	(mg/kg)	
(A) White PVC / fabric	Body		LT 10	PASS
(B) Off white soft plastic Flat white foam	Elastic band Inner handle		LT 10	PASS
(C) Yellow plastic Light green plastic	Stake Small stake		LT 10	PASS

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



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RESULTS:

TOTAL HEAVY METALS CONTENT - INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING (ASTM F963-17, Section 4.3.5.1(2))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Sample Identity	Color	Location	Style
A	Yellow / orange / black / blue / red coating	Warning statement	
B	Soft black / soft white coating	Logo	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit (mg/kg)	25	1000	75	60	60	90	60	500

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample	Result (mg/kg)								
A	LT 7	740	LT 10	LT 7	LT 5	LT 10	LT 10	LT 10	PASS
B	LT 7	1000	LT 10	LT 7	LT 5	LT 10	LT 10	LT 10	DATA

mg/kg = milligrams per kilogram (ppm=parts per million)
LT = Less Than

As = Arsenic, Ba = Barium, Cd = Cadmium,
Cr = Chromium, Hg = Mercury, Pb = Lead,
Sb = Antimony, Se = Selenium

Remark:

On an initial analysis for soluble heavy metals content, any component of greater than 80% of the set limit, the result is inconclusive for the requirement and therefore were retested with soluble heavy metals analysis of ASTM F963-17, Sections 8.3.2 to 8.3.4 as specified in Section 8.3.1.3. The result herein is for reference only (show Data), please refer to soluble heavy metals content analysis for the corresponding conclusive results.



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RESULTS:

SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING (ASTM F963-17, Section 4.3.5.1(2))

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.2 to 8.3.4

Sample Identity	Color	Location	Style
A.	Soft black / soft white coating	Logo	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
Maximum Limit (mg/kg)	25	1000	75	60	60	90	60	500	
Analytical Correction	60%	30%	30%	30%	50%	30%	60%	60%	

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Sample	Result (mg/kg)								(g)	
A.	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0310	PASS

LT = Less Than

CR = adjusted analytical result

mg/kg = milligrams per kilogram (ppm=parts per million)

* = Average of duplicate analysis

As = Arsenic, Ba = Barium, Cd = Cadmium,

Cr = Chromium, Hg = Mercury, Pb = Lead,

Sb = Antimony, Se = Selenium



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RESULTS:

Comment(s):

1. The ASTM D1683 seam strength results of the submitted sample(s) are shown as below: **(PASS)**

Sample	Results(lbs)
Green fabric with red fabric (double stitch)	120.2
Red fabric with light blue fabric (double stitch)	126.8
Green fabric with light green fabric (double stitch)	122.4
Green fabric with light blue fabric (double stitch)	204.8
Light green fabric with light blue fabric (double stitch)	255.7
Blue fabric with blue fabric (double stitch)	123.3
Blue fabric with red fabric (double stitch)	135.2
Green fabric with blue fabric (double stitch)	172.7
Yellow fabric with yellow fabric with mesh (double stitch)	91.9
Green fabric with green fabric (double stitch)	97.2
Blue fabric with light blue fabric (double stitch)	119.2
Yellow fabric with red fabric (double stitch)	91.2
Red fabric with red fabric (double stitch)	125.0
Light blue fabric with yellow fabric with mesh (double stitch)	109.2
Yellow fabric with yellow fabric (double stitch)	109.2



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RESULTS:

2. The ASTM D5034 tensile strength results of the submitted sample(s) are shown as below: **(PASS)**

Before 100 hours UV test:

Sample	Results(lbs)
Yellow fabric	216.4x146.6
Light Green fabric	356.8x312.3
Green fabric	217.6x161.6
Red fabric	184.5x156.1
Grass Green fabric	208.9x155.6
Deep blue fabric	214.0x146.1

After 100 hours UV test:

Sample	Results(lbs)
Yellow fabric	205.5x148.8
Light Green fabric	327.5x295.5
Green fabric	173.6x150.3
Red fabric	145.4x140.1
Grass Green fabric	158.7x152.6
Deep blue fabric	180.0x137.9



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RESULTS:



RESULTS:



END OF REPORT