



HUAKE TESTING

TEST REPORT

Prepared for:

Hangzhou Yooking Technology Co., Ltd.

**ROOM 403, BUILDING 18, NO. 1217, WENYI WEST ROAD, CANGQIAN STREET, YUHANG
DISTRICT, HANGZHOU, ZHEJIANG PROVINCE, CHINA.**

Product Name: Baby Playpen

Model Name: YK-NH-012

Trade Mark: NA

Date of Test: From March 19, 2024 to March 25, 2024

Date of Report: April 26, 2024

Report Number: HK2403193987-1RR

Prepared by:

Shenzhen HUAKE Testing Technology Co., LTD.

**1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community,
Fuhai Street, Bao'an District, ShenzhenGuangdong, China**

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Applicant: Hangzhou Yooking Technology Co., Ltd.
Address: ROOM 403, BUILDING 18, NO. 1217, WENYI WEST ROAD, CANGQIAN STREET, YUHANG DISTRICT, HANGZHOU, ZHEJIANG PROVINCE, CHINA.
Manufacturer: Hangzhou Yooking Technology Co., Ltd.
Address: ROOM 403, BUILDING 18, NO. 1217, WENYI WEST ROAD, CANGQIAN STREET, YUHANG DISTRICT, HANGZHOU, ZHEJIANG PROVINCE, CHINA.

The following sample was submitted and identified by/on behalf of the client as:

Sample Name: Baby Playpen
Model No: YK-NH-012
Trade Mark: NA
Tested Age Grade: 0+ years old
Labeled Age Grading: 0+ years old
Appropriate Age Grade: 0+ years old
Sample Receiving Date: March 19, 2024
Testing Period: From March 19, 2024 to March 25, 2024
Results: Please refer to next page(s).

Signed for and on behalf of HUAKE

Approved by:

Lab Manager



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Information of the Test Laboratory

Shenzhen HUAKE Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

CPSC Certification Number is 1710.

Summary of Test Results:

TEST REQUEST

- A EN 12227:2010 Playpens for domestic use -Safety requirements and test methods
- B European Standard on Safety of Toys
- 3.EN 71-3:2019+A1:2021 - Migration of Certain Elements

CONCLUSION

PASS

PASS



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Results:**A. EN 12227:2010 Playpens for domestic use -Safety requirements and test methods**

Applicable Section	Description	Result
1.	Scope This European Standard specifies the safety requirements and test methods for playpens and folding playpens for domestic use, for a child with a body weight up to 15 kg. If a playpen has several functions or can be converted into another function, it shall comply with the relevant standards.	
2	Normative references	
3	Terms and definitions	
4	Test equipment	
4.1	Hip probe	Pass
4.2	Foothold template.	Pass
4.3	Head probes	Pass
4.3.1	Small head probe	Pass
4.3.2	Large head probe	Pass
4.4	Template for V and irregular shaped openings	Pass
4.5	Finger probes	Pass
4.6	Protruding parts test equipment	Pass
4.6.1	Ball chain loop and spherical mass	Pass
4.6.2	Ball chain	Pass
4.6.3	Spherical mass	Pass
4.7	Small parts cylinder	Pass
4.8	Feeler gauge	Pass
4.9	Bite tester	Pass
4.10	Base impactor	Pass
4.11	Side impactor	Pass
4.12	Loading pad..	Pass
4.13	Retaining blocks for strength of mesh.	Pass
4.14	Masses	Pass
4.14.1	Mass of 15 kg and cross section of 100 mm x 100 mm.	Pass
4.14.2	Mass of 20 kg distributed evenly over an area of 150 mm x 150 mm.	Pass
4.15	Stops	Pass
4.16	Floor surface	Pass
4.17	Test mattress	Pass

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Applicable Section	Description	Result
5	General	Pass
5.1	Product conditioning.	Pass
5.2	Test conditions	Pass
5.3	Application of forces	Pass
5.4	Tolerances	Pass
5.5	Prevention of movement of the playpen during testing.	Pass
5.6	Order of tests	Pass
6	Chemical hazards(EN71-3)	Pass
7	Thermal hazards	Pass
8	Mechanical hazards.	Pass
8.1	Child retention function	Pass
8.1.1	General	Pass
8.1.2	Height of barrier(>600mm)	Pass
8.1.3	Size of openings(be no openings that allow the hip probe to pass completely)	Pass
8.1.4	Security of folding mechanisms	Pass
8.2	Requirements for castors/wheels	Pass
8.3	Entrapment	Pass
8.3.1	General	Pass
8.3.2	Head entrapment	Pass
8.3.3	Finger entrapment	Pass
8.4	Hazards from moving parts	Pass
8.4.1	Requirements for compression points	Pass
8.4.2	Requirements for shear points	Pass
8.4.3	Shear and compression points when setting up and folding	Pass
8.5	Entanglement.	Pass
8.5.1	General	Pass
8.5.2	Cords, ribbons and similar parts	Pass
8.5.3	Protruding parts	Pass
8.6	Choking and ingestion hazards	Pass
8.6.1	Detachable components	Pass
8.6.2	Playpen rim	Pass
8.7	Suffocation hazards	Pass
8.7.1	Requirements for self adhesive labels and decals	Pass

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Applicable Section	Description	Result
8.7.2	Requirements for packaging	Pass
8.8	Hazardous edges and projections	Pass
8.8.1	General	Pass
8.8.2	Edges	Pass
8.8.3	Requirements for points	Pass
8.9	Structural integrity	Pass
8.9.1	General	Pass
8.9.2	Grab handles	Pass
8.9.3	Requirements for connecting screws	Pass
8.9.4	Requirements for staples	Pass
8.9.5	Playpen base	Pass
8.9.2	Grab handles	Pass
8.10	Stability	Pass
9	Product information	Pass
9.1	General	Pass
9.2	Marking	Pass
9.3	Purchase information	Pass
9.4	Instructions for use	Pass

-NA = Not Applicable



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B. EN 71-3:2019+A1:2021 - Migration of Certain Elements

Tested part(s):

Seq. no	Part(s) name
1	Blue plastic
2	White plastic

Test method: Preparation of the sample and migration procedure with reference to EN 71-3:2019+A1:2021, metal elements analysis is performed by Inductively Coupled Argon Plasma Spectrometer (ICP-OES)/ Inductively Coupled Plasma Mass Spectrometer (ICP-MS), organic tins analysis is performed by Gas Chromatography- (GC/MS) Mass Spectrometer and Cr (III) and Cr(VI) analysis is performed by High Performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometer (HPLC-ICP-MS).

Element	Unit	MDL	Results	Permissible Limit
			(1)^	
Soluble Aluminium (Al)	mg/kg	50	N.D.	See the next remarks
Soluble Antimony (Sb)	mg/kg	10	N.D.	
Soluble Arsenic (As)	mg/kg	0.1	N.D.	
Soluble Barium (Ba)	mg/kg	50	N.D.	
Soluble Boron (B)	mg/kg	50	N.D.	
Soluble Cadmium (Cd)	mg/kg	0.1	N.D.	
Soluble Chromium (Cr)	mg/kg	--	N.D.	
Soluble Chromium III (Cr3+)	mg/kg	0.1	N.D.	
Soluble Chromium VI (Cr6+)	mg/kg	0.001	N.D.	
Soluble Cobalt (Co)	mg/kg	0.1	N.D.	
Soluble Copper (Cu)	mg/kg	50	N.D.	
Soluble Lead (Pb)	mg/kg	0.1	N.D.	
Soluble Manganese (Mn)	mg/kg	50	N.D.	
Soluble Mercury (Hg)	mg/kg	0.1	N.D.	
Soluble Nickel (Ni)	mg/kg	10	N.D.	
Soluble Selenium (Se)	mg/kg	0.1	N.D.	
Soluble Strontium (Sr)	mg/kg	50	N.D.	
Soluble Tin (Sn)	mg/kg	5	N.D.	
Soluble Organic Tin	mg/kg	0.1	N.D.	
Soluble Zinc (Zn)	mg/kg	50	N.D.	
Conclusion	/	/	Pass	/

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Element	Unit	MDL	Results	Permissible Limit
			(2)^	
Soluble Aluminium(Al)	mg/kg	50	N.D.	See the next remarks
Soluble Antimony (Sb)	mg/kg	10	N.D.	
Soluble Arsenic (As)	mg/kg	0.1	N.D.	
Soluble Barium (Ba)	mg/kg	50	N.D.	
Soluble Boron(B)	mg/kg	50	N.D.	
Soluble Cadmium (Cd)	mg/kg	0.1	N.D.	
Soluble Chromium (Cr)	mg/kg	--	N.D.	
Soluble Chromium III (Cr3+)	mg/kg	0.1	N.D.	
Soluble Chromium VI (Cr6+)	mg/kg	0.001	N.D.	
Soluble Cobalt (Co)	mg/kg	0.1	N.D.	
Soluble Copper (Cu)	mg/kg	50	N.D.	
Soluble Lead (Pb)	mg/kg	0.1	N.D.	
Soluble Manganese (Mn)	mg/kg	50	N.D.	
Soluble Mercury (Hg)	mg/kg	0.1	N.D.	
Soluble Nickel (Ni)	mg/kg	10	N.D.	
Soluble Selenium (Se)	mg/kg	0.1	N.D.	
Soluble Strontium (Sr)	mg/kg	50	N.D.	
Soluble Tin (Sn)	mg/kg	5	N.D.	
Soluble Organic Tin	mg/kg	0.1	N.D.	
Soluble Zinc (Zn)	mg/kg	50	N.D.	
Conclusion	/	/	Pass	/

Note:

- N.D.= Not Detected (lower than MDL)
- MDL =Method Detection Limit
- *= This test portion material is Category II;
- ^=This test portion material is Category III.
- mg/kg= ppm
- Soluble Chromium is not restricted by EN 71-3, results shown only for reference.
- Soluble Tin--If this element was detected, further confirmation test of Organic tin need to be performed.

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Remark I:

The standard contains requirements for the migration of certain elements from the following categories of toy:

- Category I: Dry, brittle, powder like or pliable materials;
- Category II: Liquid or sticky materials;
- Category III: Scraped-off materials or textile or wood materials or paper products;

Remark II:**Migration limits from toy materials:**

Element	Category I mg/kg	Category II mg/kg	Category III mg/kg
Soluble Aluminium (Al)	2250	560	28130
Soluble Antimony (Sb)	45	11.3	560
Soluble Arsenic (As)	3.8	0.9	47
Soluble Barium (Ba)	1500	375	18750
Soluble Boron(B)	1200	300	15000
Soluble Cadmium (Cd)	1.3	0.3	17
Soluble Chromium III(Cr^{3+})	37.5	9.4	460
Soluble Chromium VI(Cr^{6+})	0.02	0.005	0.053
Soluble Cobalt (Co)	10.5	2.6	130
Soluble Copper (Cu)	622.5	156	7700
Soluble Lead (Pb)	2.0	0.5	23
Soluble Manganese (Mn)	1200	300	15000
Soluble Mercury (Hg)	7.5	1.9	94
Soluble Nickel (Ni)	75	18.8	930
Soluble Selenium (Se)	37.5	9.4	460
Soluble Strontium (Sr)	4500	1125	56000
Soluble Tin (Sn)	15000	3750	180000
Soluble Organic Tin	0.9	0.2	12
Soluble Zinc (Zn)	3750	938	46000

**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2024/04/26	Jason Zhou

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