Test Report

No.: SHAHL25020144001 **Date:** Aug 11, 2025

Client Name: SUZHOU BABYCLEVER CHILDREN FURNISHING CO., LTD.

Client Address: 125 NANHU ROAD, WUZHONG ECONOMIC DEVELOPMENT ZONE, SUZHOU CITY, JIANGSU PROVINCE, CHINA

Sample Description: Baby Wood Playpen

SKU No.: Playpen 8 panels Playpen 10 panels

Buyer: TYZE LLC

Manufacturer: SUZHOU BABYCLEVER CHILDREN FURNISHING CO., LTD.

Origin of the Product(s): China

Destination of the Product(s): US

Requested Age Grading: 0-36M

The above sample(s) and information were provided by the client.

SGS No.: SHHL2506037154IP

Sample Receiving Date: Aug 06, 2025

Testing Period: Aug 06, 2025 ~ Aug 11, 2025

Test Requested: Select test(s) as requested by the client.

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Conclusion
1	ASTM F963-23, Clause 4.3.5.1 – Soluble Heavy Metal in Paint and Similar Surface-coating Materials	Pass
2	ASTM F963-23, Clause 4.3.5.2 – Soluble Heavy Metal in Substrate Materials	Pass
3	Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material	Pass
4	CPSIA section 101(f) - Lead in paint/similar surface coating material	Pass
5	CPSIA section 101(a)(2) - Lead in accessible substrate materials	Pass
6	CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Kiki He

Kiki He
Approved Signatory

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	Test Requirement	Conclusion
7	COMMISSION IMPLEMENTING DECISION (EU) 2023/740 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements (Category III:for scrapped-off toy material)	Pass
8	EN 71-3: 2019+ A2:2024 - Migration of certain elements (Category III:for scrapped-off toy material)	Pass

Test Result(s):

Test Part Description：

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA25-0201440-0001.C001	Pink coating on wood
SN2	A2	SHA25-0201440-0001.C002	Light brown coating on wood
SN3	A3	SHA25-0201440-0001.C003	Yellow coating on wood
SN4	A4	SHA25-0201440-0001.C004	Green coating on wood
SN5	A5	SHA25-0201440-0001.C005	Blue coating on wood
SN6	A6	SHA25-0201440-0001.C006	Purple coating
SN7	A7	SHA25-0201440-0001.C007	Beige yellow plastic
SN8	A8	SHA25-0201440-0001.C008	Natural color solid wood
SN9	A9	SHA25-0201440-0001.C009	Silvery metal tube without coating
SN10	A1+A2+A3	SHA25-0201440-0002	Pink coating on wood + Light brown coating on wood + Yellow coating on wood
SN11	A4+A5+A6	SHA25-0201440-0003	Green coating on wood + Blue coating on wood + Purple coating

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

ASTM F963-23, Clause 4.3.5.1 – Soluble Heavy Metal in Paint and Similar Surface-coating Materials

Test Method: With reference to ASTM F 963-23 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Mass of trace amount	-	mg	-	74.8	54.1	22.4
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				**Pass**	**Pass**	**Pass**

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Mass of trace amount	-	mg	-	34.5	42.7	43.6

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Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				**Pass**	**Pass**	**Pass**

Notes:
(1) Results shown are of the adjusted analytical results.

ASTM F963-23, Clause 4.3.5.2 – Soluble Heavy Metal in Substrate Materials

Test Method: With reference to ASTM F 963-23 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A7	A8
Mass of trace amount	-	mg	-	/	/
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND
Conclusion				**Pass**	**Pass**

Notes:
(1) Results shown are of the adjusted analytical results.
(2) / = Not Applicable

Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1+A2+A3	A4+A5+A6
Lead(Pb)	0.009	%	0.0020	ND	ND
Conclusion				**Pass**	**Pass**

CPSIA section 101(f) - Lead in paint/similar surface coating material

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

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Test Item(s)	Limit	Unit(s)	MDL	A1+A2+A3	A4+A5+A6
Lead (Pb)	90	mg/kg	20	ND	ND
Conclusion				**Pass**	**Pass**

CPSIA section 101(a)(2) - Lead in accessible substrate materials

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A7
Lead (Pb)	100	mg/kg	20	ND
Conclusion				**Pass**

Test Method: With reference to CPSC-CH-E1001-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A9
Lead (Pb)	100	mg/kg	20	ND
Conclusion				**Pass**

CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A7	A1+A2+A3	A4+A5+A6
Benzyl Butyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND	ND	ND
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND	ND	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	1000	mg/kg	50	ND	ND	ND
Di(2-ethyl hexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	50	ND	ND	ND
Di-n-hexyl Phthalates (DHEXP/ DnHP)	84-75-3	1000	mg/kg	50	ND	ND	ND
Diisobutyl Phthalates (DIBP)	84-69-5	1000	mg/kg	50	ND	ND	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	1000	mg/kg	50	ND	ND	ND
Dipentyl Phthalates (DPENP)	131-18-0	1000	mg/kg	50	ND	ND	ND
Conclusion					**Pass**	**Pass**	**Pass**

COMMISSION IMPLEMENTING DECISION (EU) 2023/740 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 - Migration of certain elements (Category III:for scrapped-off toy material)

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Test Method: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Soluble Lead(Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	105	98	125
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND
Conclusion				**Pass**	**Pass**	**Pass**

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Soluble Lead(Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	97	126	90
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND
Conclusion				**Pass**	**Pass**	**Pass**

Test Item(s)	Limit	Unit(s)	MDL	A7	A8
Soluble Lead(Pb)	23	mg/kg	5	ND	ND

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Test Item(s)	Limit	Unit(s)	MDL	A7	A8
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	ND	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND
Conclusion				**Pass**	**Pass**

Notes:
(1) According to the Commission Implementing Decision (EU) 2023/740 of April 5, 2023, published in the OJEU. The EN 71-3:2019+A1:2021 is adopted as the harmonized standard for toys drafted in support of Directive 2009/48/EC.
(2) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:
Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)
(3) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.
(4) Mass of trace amount of sample A1 is 60.2mg, sample A2 is 84.0mg, sample A3 is 74.0mg, sample A4 is 80.4mg, sample A5 is 90.0mg, sample A6 is 81.9mg.

EN 71-3: 2019+ A2:2024 - Migration of certain elements (Category III:for scrapped-off toy material)

Test Method: With reference to EN 71-3:2019+ A2:2024, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Mass of trace amount	-	mg	-	60.2	84.0	74.0
Soluble Lead(Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND	ND

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Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	105	98	125
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND
Conclusion				**Pass**	**Pass**	**Pass**

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Mass of trace amount	-	mg	-	80.4	90.0	81.9
Soluble Lead(Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	97	126	90
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND
Conclusion				**Pass**	**Pass**	**Pass**

Test Item(s)	Limit	Unit(s)	MDL	A7	A8
Mass of trace amount	-	mg	-	/	/
Soluble Lead(Pb)	23	mg/kg	5	ND	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND

检验检测专用章 Inspection & Testing Services
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Test Item(s)	Limit	Unit(s)	MDL	A7	A8
Soluble Strontium(Sr)	56000	mg/kg	50	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND
Soluble Aluminum(Al)	28130	mg/kg	50	ND	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND
Conclusion				**Pass**	**Pass**

Notes:
(1) According to Chapter of 10.1.2 of EN 71-3:2019+ A2:2024, Chromium (III) is calculated by the following formula:
Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)
(2) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+ A2:2024.
(3) /=Not Applicable

Remark:
For method of CPSC-CH-E1003-09.1/CPSC-CH-E1002-08.3/CPSC-CH-E1001-08.3: The result is calculated using the minimum sample weight.
For Others: Test was conducted on composite of random parts of the item as per client's request.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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*** End of Report ***

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