

Test Report

Client : Flashbay Electronics Huizhou
Building 10 and the 3rd floor of Building 12, No. 15, Xinhua Road, China-
South Korea Huizhou Industrial Park, Zhongkai District,
Huizhou City, Guangdong Province, P.R. China

Sample Description : Cap
Model No. : Junior (JN)
Reference image^A : Refer to Annex

The information and sample(s) above were submitted and identified by or on behalf of the client.

Sample Received : 2026-07-28, 2026-08-07
Testing Period : 2026-07-28 to 2026-09-04

<u>Test Requested</u>	<u>Result</u>
1) ASTM Standard Consumer Safety Specification on Toy Safety F963-23:	
- ASTM F963-23 Soluble Heavy Elements	PASS
- ASTM F963-23 Total Lead (Pb)	PASS
- ASTM F963-23 Phthalates	PASS
2) U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101:	
- - Total Lead (Pb)	PASS
3) US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	PASS
4) Select tests according to California Proposition 65 and applicant's requirements:	
- Phthalates	PASS
- Total Lead (Pb)	PASS
5) Formaldehyde test according to applicant's requirements	PASS

Signed for and on behalf of

DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch



Devin Ai
Approver

Report No. 4961890.52 Version 1

Issued Date: 2026-09-04

Picture of Sample Tested



Tested Sample Description:

- (1) Grey/white stiff material with black lettering (front)
- (2) Grey embroidery thread
- (3) Grey fabric
- (4) Light grey binding fabric
- (5) White label with black lettering (care label)
- (6) White binding fabric
- (7) White non-woven fabric
- (8) Silver metal buckle
- (9) Silver metal oval buttonhole
- (10) Silver metal round stud (top)

TEST RESULTS

1) America Standard Consumer Safety Specification on Toy Safety ASTM F963-23

Soluble Heavy Elements

As per clause 4.3.5 of the American Standard Consumer Safety Specification on Toy Safety ASTM F963-23, acid extraction method was used and heavy elements content were determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

For Surface Coatings and Substrates other than modelling clay

Test Item	Result (mg/kg)					MDL (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)		
Soluble Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	90
Soluble Antimony (Sb)	8#	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	5	75
Soluble Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	500

Test Item	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	(6)	(7)		
Soluble Lead (Pb)	N.D.	N.D.	5	90
Soluble Antimony (Sb)	N.D.	N.D.	5	60
Soluble Arsenic (As)	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	N.D.	N.D.	5	75
Soluble Chromium (Cr)	N.D.	N.D.	5	60
Soluble Mercury (Hg)	N.D.	N.D.	5	60
Soluble Selenium (Se)	N.D.	N.D.	5	500

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. mg/kg = Milligram per kilogram
4. # = The results were adjusted by subtracting analytical correction factor.

Total Lead (Pb)

As per Section 4.3.5.2(2)(a) of the American Standard Consumer Safety Specification on Toy Safety ASTM F963-23, test method CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 were used and Total Lead content were determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Result (%)		MDL (%)	Limit (%)
	(1)/(3)	(4)/(6)		
Total Lead (Pb)	N.D.	N.D.	0.001	0.01

Test Item	Result (%)						MDL (%)	Limit (%)
	(2)	(5)	(7)	(8)	(9)	(10)		
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	0.01

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. % = Percentage

Phthalates

With reference to CPSC-CH-C1001-09.4, extraction by organic solvent, determination by GC-MS.

Test Item	Result (%)		MDL (%)	Limit (%)
	(1)/(3)	(4)/(6)		
Dibutyl Phthalate (DBP)	N.D.	N.D.	0.003	0.1
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	0.003	0.1
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	0.003	0.1
Diisobutyl phthalate (DIBP)	N.D.	N.D.	0.003	0.1
Diisononyl phthalate (DINP)	N.D.	N.D.	0.005	0.1
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	0.003	0.1
Di-n-hexyl phthalate (DHEXP)	N.D.	N.D.	0.003	0.1
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	0.003	0.1

Test Item	Result (%)			MDL (%)	Limit (%)
	(2)	(5)	(7)		
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	0.003	0.1
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	0.003	0.1
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	0.003	0.1
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	0.003	0.1
Diisononyl phthalate (DINP)	N.D.	N.D.	N.D.	0.005	0.1
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	0.003	0.1

Test Item	Result (%)			MDL (%)	Limit (%)
	(2)	(5)	(7)		
Di-n-hexyl phthalate (DHEXP)	N.D.	N.D.	N.D.	0.003	0.1
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	0.003	0.1

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. % = Percentage

2) U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101

Total Lead (Pb)

With reference to CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3. Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Result (%)		MDL (%)	Limit (%)
	(1)/(3)	(4)/(6)		
Total Lead (Pb)	N.D.	N.D.	0.001	0.01

Test Item	Result (%)						MDL (%)	Limit (%)
	(2)	(5)	(7)	(8)	(9)	(10)		
Total Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.001	0.01

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. % = Percentage

3) US 16 CFR 1307- Phthalates content

With reference to CPSC-CH-C1001-09.4, extraction by organic solvent, determination by GC-MS.

Test Item	Result (%)		MDL (%)	Limit (%)
	(1)/(3)	(4)/(6)		
Dibutyl Phthalate (DBP)	N.D.	N.D.	0.003	0.1
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	0.003	0.1
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	0.003	0.1
Diisobutyl phthalate (DIBP)	N.D.	N.D.	0.003	0.1
Diisononyl phthalate (DINP)	N.D.	N.D.	0.005	0.1

Test Item	Result (%)		MDL (%)	Limit (%)
	(1)/(3)	(4)/(6)		
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	0.003	0.1
Di-n-hexyl phthalate (DHEXP)	N.D.	N.D.	0.003	0.1
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	0.003	0.1

Test Item	Result (%)			MDL (%)	Limit (%)
	(2)	(5)	(7)		
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	0.003	0.1
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	N.D.	0.003	0.1
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	N.D.	0.003	0.1
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	0.003	0.1
Diisononyl phthalate (DINP)	N.D.	N.D.	N.D.	0.005	0.1
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	0.003	0.1
Di-n-hexyl phthalate (DHEXP)	N.D.	N.D.	N.D.	0.003	0.1
Dicyclohexyl phthalate (DCHP)	N.D.	N.D.	N.D.	0.003	0.1

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. % = Percentage

4) Select tests according to California Proposition 65 and applicant's requirements

Phthalates

With reference to EPA 3540C-1996 and EPA 8270D-2007 Method, analysis was performed by Gas Chromatographic-Mass Spectrometer (GC-MS).

Test Item	Result (ppm)		MDL (ppm)	Applicant's Limit (ppm)
	(1)/(3)	(4)/(6)		
Dibutyl phthalate (DBP)	N.D.	N.D.	30	1000
Benzyl butyl phthalate (BBP)	N.D.	N.D.	30	1000
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	30	1000
Di-iso-decyl phthalate (DiDP)	N.D.	N.D.	50	1000
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	30	1000
Di-n-octyl phthalate (DnOP)	N.D.	N.D.	30	1000
Di-iso-nonyl phthalate (DiNP)	N.D.	N.D.	50	1000
Diisobutyl phthalate (DIBP)	N.D.	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	30	1000
Di-cyclohexyl phthalate(DCHP)	N.D.	N.D.	30	1000

Test Item	Result (ppm)			MDL (ppm)	Applicant's Limit (ppm)
	(2)	(5)	(7)		
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	30	1000
Benzyl butyl phthalate (BBP)	N.D.	N.D.	N.D.	30	1000
Diethyl hexyl phthalate (DEHP)	N.D.	N.D.	N.D.	30	1000
Di-iso-decyl phthalate (DiDP)	N.D.	N.D.	N.D.	50	1000
Di-n-hexyl phthalate (DnHP)	N.D.	N.D.	N.D.	30	1000
Di-n-octyl phthalate (DnOP)	N.D.	N.D.	N.D.	30	1000
Di-iso-nonyl phthalate (DiNP)	N.D.	N.D.	N.D.	50	1000
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	30	1000
Di-n-pentyl phthalate (DPENP)	N.D.	N.D.	N.D.	30	1000
Di-cyclohexyl phthalate(DCHP)	N.D.	N.D.	N.D.	30	1000

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. ppm = parts per million

Total Lead (Pb)

With reference to EPA 3052-1996 and EPA 6010C-2007, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Result (ppm)		MDL (ppm)	Applicant's Limit (ppm)
	(1)/(3)	(4)/(6)		
Total Lead (Pb)	N.D.	N.D.	10	100

Test Item	Result (ppm)			MDL (ppm)	Applicant's Limit (ppm)
	(2)	(5)	(7)		
Total Lead (Pb)	N.D.	N.D.	N.D.	10	100

Test Item	Result (ppm)			MDL (ppm)	Applicant's Limit (ppm)
	(8)	(9)	(10)		
Total Lead (Pb)	N.D.	N.D.	N.D.	10	100

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. ppm = parts per million

5) Formaldehyde

With reference to In-house method, analysis was performed by Ultraviolet spectrometer (UV-Vis).

Test Item	Result (ppm)				MDL (ppm)	Applicant's Limit (ppm)
	(1)	(2)	(3)	(4)		
Formaldehyde	N.D.	N.D.	N.D.	N.D.	5	75

Test Item	Result (ppm)			MDL (ppm)	Applicant's Limit (ppm)
	(5)	(6)	(7)		
Formaldehyde	N.D.	N.D.	N.D.	5	75

Remark:

1. N.D. = Not Detected (below MDL)
2. MDL = Method Detection Limit
3. ppm = parts per million

Annex



^Δ The reference model information is provided by the client and claimed that the identical materials and/or construction as the tested samples are used. The samples displayed here are not tested samples and are for reference only DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch takes no liability for information validation.

---End of Report---

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