

Test Report

No.: 70.452.23.12543.01

Date: 2023-07-06



Greater China

Applicant: EASTPOINT SPORTS., LTD LLC
Address: 20 COMMERCE BOULEVARD
Product Name: The classic game of connect 4
Model No: 1-1-12311-AA049D
Manufacturer: Zhejiang Fisher Technology Co., Ltd.
Country of Origin: China
Country of Destination: USA
Receipt Date of Sample: 2023-05-26
Date of Testing: 2023-05-26 ~ 2023-07-06
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products	Pass
2. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical	Pass
3. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Materials Other Than Textile Materials	Pass
4. ASTM F963-17 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)	Pass
5. ASTM F963-17 Section 4.3.5.1 & Section 4.3.5.2 - Soluble Heavy Elements	Pass
6. CPSIA section 101(a)(2) - Total Lead Content(Substrate)	Pass
7. CPSIA, § 108, 16 CFR 1307- Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
8. US California Proposition 65 (Alameda County Superior Court RG-07-356892) - Total Lead Content	Pass
9. US California Proposition 65 (Alameda BG07350969) - Phthalates Content	Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. ≤ Less than
4. 1 mg/kg = 1 ppm = 0.0001%

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

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Note:

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Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Description of Tested Subject:

Sample	Description	Photo
001	The classic game of connect 4	

T. No	Sample	Description
T1	001	The classic game of connect 4
T2	002	Blue plastic
T3	003	Yellow plastic
T4	004	Red plastic
T5	005	Colorful paper sticker with film
T6	006	White paper sticker with black printing

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Test Result(s):

1. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking labels for children's products

Sample		001
Section	Requirement	Evaluation
Tracking	labels for children's products label per Consumer Product Safety Improvement Act (CPSIA) of 2008	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

- Only applicable clauses were shown.

Note:

The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

2. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical

Sample		001
Labelled age range		Not stated
Requested age range		6+
Age range in testing		Over 6 years

Clause	Requirement	Evaluation
4	Safety Requirements	--
4.1	Material quality	P
4.7	Accessible Edges	P
4.9	Accessible Points	P
4.11	Nails and Fasteners	P
4.15	Stability and Over-load Requirements	P
5	Labeling Requirements	--
5.2	Age Grading Labeling	#1
5.16	Promotional Materials	P
6	Instructional Literature	--
6.1	Definition and Description	P
7	Producer's Markings	--
7.1	Name and Address of the Producer or Distributor	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable sections were shown.

Remark:

#1= The toy or package should indicate the minimum age for intended use.

3. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Flammability Test of Materials Other Than Textile Materials

As per Section 4.2 of ASTM F963-17 Standard Consumer Safety Specification for Toy Safety

Sample: 001

Result: Ignited but Self-Extinguished before Burn Rate Could be Determined

Note:

The submitted toy sample and its accessories were tested, the above result only showed the most severe burn rate of the samples.

4. ASTM F963-17 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)

Test with reference to CPSC-CH-E1001-08.3:2012 and CPSC-CH-E1002-08.3:2012, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002+003+004	mg/kg	10.0	100	<10.0	Pass
005	mg/kg	10.0	100	<10.0	Pass
006	mg/kg	10.0	100	<10.0	Pass

5. ASTM F963-17 Section 4.3.5.1 & Section 4.3.5.2 - Soluble Heavy Elements

Test with reference to ASTM F963-17 Section 8.3, analysis was performed by ICP-OES/ICP-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			002	003
Soluble Antimony	5.0	60	<5.0	<5.0
Soluble Arsenic	5.0	25	<5.0	<5.0
Soluble Lead	5.0	90	<5.0	<5.0
Soluble Cadmium	5.0	75	<5.0	<5.0
Soluble Selenium	5.0	500	<5.0	<5.0
Soluble Mercury	5.0	60	<5.0	<5.0
Soluble Chromium	5.0	60	<5.0	<5.0
Soluble Barium	5.0	1000	<5.0	<5.0
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			004	005
Soluble Antimony	5.0	60	<5.0	<5.0
Soluble Arsenic	5.0	25	<5.0	<5.0
Soluble Lead	5.0	90	<5.0	<5.0
Soluble Cadmium	5.0	75	<5.0	<5.0
Soluble Selenium	5.0	500	<5.0	<5.0
Soluble Mercury	5.0	60	<5.0	<5.0
Soluble Chromium	5.0	60	<5.0	<5.0
Soluble Barium	5.0	1000	<5.0	<5.0
Conclusion			Pass	Pass

Note: Mass of trace amount of sample 005 is 100.00 mg

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]
			006
Soluble Antimony	5.0	60	<5.0
Soluble Arsenic	5.0	25	<5.0
Soluble Lead	5.0	90	<5.0
Soluble Cadmium	5.0	75	<5.0
Soluble Selenium	5.0	500	<5.0
Soluble Mercury	5.0	60	<5.0
Soluble Chromium	5.0	60	<5.0
Soluble Barium	5.0	1000	13.3
Conclusion			Pass

Note: 1. Adjusted analytical result.

6. CPSIA section 101(a)(2) - Total Lead Content(Substrate)

Test with reference to CPSC-CH-E1001-08.3:2012 and CPSC-CH-E1002-08.3:2012, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002+003+004	mg/kg	10.0	100	<10.0	Pass
005	mg/kg	10.0	100	<10.0	Pass
006	mg/kg	10.0	100	<10.0	Pass

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7. CPSIA, § 108, 16 CFR 1307- Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					002+003+004	005
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	0.014
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006	
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	%	0.005	0.1	<0.005	
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	
Conclusion					Pass	

8. US California Proposition 65 (Alameda County Superior Court RG-07-356892) - Total Lead Content

Test with reference to CPSC-CH-E1003-09.1:2011, CPSC-CH-E1001-08.3:2012 and CPSC-CH-E1002-08.3:2012, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002+003+004	mg/kg	10.0	100	<10.0	Pass
005	mg/kg	10.0	100	<10.0	Pass
006	mg/kg	10.0	100	<10.0	Pass

9. US California Proposition 65 (Alameda BG07350969) - Phthalates Content

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					002+003+004	005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	0.014
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006	
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	%	0.005	0.1	<0.005	
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	
Conclusion					Pass	

-End of Test Report-