

Test Report

NUMBER : TSNH00319552

Applicant : JIANGSU LEETON MACHINERY CO.,LTD
Matang Town, Rudong County, Jiangsu Province, China
Attn :Vicky

Date : Oct 17, 2019

Sample Description:

Three(3) submitted samples said to be

(A) gym mat-Pink

(B) purple plastic

(C) Green plastic

Item Name

: 20 ft Inflatable gym mat – Green/20 ft Inflatable gym mat – Pink/
20 ft Inflatable gym mat-Purple/13 ft Inflatable gym mat – Pink/
13 ft Inflatable gym mat-Purple/13ft Inflatable gym mat – Green

Item No.

: SKY5440/SKY5437/SKY5436/SKY5558/SKY5557/SKY5559

Buyer

: Best Choice Products, Inc.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested Components/Sample</u>	<u>Standard</u>	<u>Result</u>
(1),(2),(3),(4),(5),(6),(7)&(8)	U.S. ASTM F963-17 for total Lead content	See Comment 1
(1),(2),(3),(4),(5),(6),(7)&(8)	U.S. ASTM F963-17 section 4.3.5.1 and 4.3.5.2 for heavy metal elements content	See Comment 2
(1),(2),(3),(4&6),(5),(7)&(8)	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	See Comment 3
Submitted Samples	U.S. Code of Federal Regulations title 16 part 1303 for total Lead content in surface coating	Not applicable
Submitted Samples	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Not applicable
(1),(2),(3),(4),(5),(6),(7)&(8)	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	See Comment 4

Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.



David Zhang
Senior Manager



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- Comment 1: The testing scope of the following standard(U.S. ASTM F963-17) was not applicable to the test components (1),(2),(3),(4),(5),(6),(7)&(8). However, the test results of tested components (1),(2),(3),(4),(5),(6),(7)&(8)met the related requirements as stated in this report.
- Comment 2: The testing scope of the standard was not applicable to the tested components (1),(2),(3),(4),(5),(6),(7)&(8). However, the test results of tested components (1),(2),(3),(4),(5),(6),(7)&(8) did not exceed the limit of the standard.
- Comment 3: The testing scope of the standard was not applicable to the submitted samples. However, the test results of tested components (1),(2),(3),(4&6),(5),(7)&(8) exceeded the limits of the standard.
- Comment 4: The testing scope of the standard (CPSIA) was not applicable to the submitted sample(s). However the result of (1),(2),(3),(4),(5),(6),(7)&(8)did not exceed the limit of the standard.

To be continued

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1. Total Lead (Pb) Content

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1002-08.3 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Non-surface coating

<u>Tested Components</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(1)	<10	100
(2)	<10	100
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100

Remark: ppm = parts per million based on dry weight of sample = mg/kg

2. Heavy metal elements analysis

As per section 4.3.5.1(2) and 8.3.1 / 4.3.5.2(2)(b) and 8.3.1 of the ASTM standard consumer safety specification on toy safety F963-17, test method(s) CPSC-CH-E1003-09.1 and CPSC-CH-E1002-08.3 and CPSC-CH-E1001-08.3 was used and heavy metal elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>								<u>ASTM F963-17 Soluble limit(ppm)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Tot. Barium (Ba)	<10	326	853	<10	65	<10	644	607	1000
Tot. Lead(Pb)	<10	<10	<10	<10	16	<10	<10	<10	90
Tot. Cadmium (Cd)	<10	<10	<10	<10	<10	<10	<10	<10	75
Tot. Antimony (Sb)	<10	42	<10	<10	<10	<10	45	41	60
Tot. Selenium (Se)	<10	<10	<10	<10	<10	<10	<10	<10	500
Tot. Chromium (Cr)	<10	<10	<10	<10	<10	<10	<10	<10	60
Tot. Mercury(Hg)	<10	<10	<10	<10	<10	<10	<10	<10	60
Tot. Arsenic (As)	<10	<10	<10	<10	<10	<10	<10	<10	25

Remark: ppm= Parts per million based on dry weight of sample = mg/kg
Tot. = Total

Tested components: See component list in the last section of this report.

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3. Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)							Limit (%) (Max.)
	(1)	(2)	(3)	(4&6)	(5)	(7)	(8)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	ND	0.1

The above limit was quoted according to 16 CFR part 1307 approved by U.S. Consumer Product Safety Commission (CPSC) for prohibition of children's toys and child care articles containing specified phthalates.

Remark: ND = Not Detected

Detection Limit = 0.01%

Tested components: See component list in the last section of this report.

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4. Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method(s) CPSC-CH-E1002-08.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<10	100
(2)	<10	100
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100
(7)	<10	100
(8)	<10	100

Remark: ppm = Parts per million = mg/kg
< = Less Than

Test Components:

- (1) White viscose cloth for sample(A) use(exercise mat)
- (2) pink plastic for sample(A) use (exercise mat)
- (3) Gray plastic for sample(A) use(exercise mat)
- (4) Pink plastic for sample(A) use(handlebar)
- (5) Black fabric for sample(A) use(handlebar)
- (6) Gray plastic for sample(A) use(plug)
- (7) purple plastic for sample(B) use
- (8) Green plastic for sample(C) use

Date sample received: Aug 20, 2019

Testing period: Aug 20, 2019 To Oct 17, 2019

To be continued

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Appendix:

The following pictures were provided by the applicant.



DURABLE MATERIAL
1.2MM PVC BRUSHED
MATERIAL WITH
SMOOTH SURFACE

13 feet purple



13 feet pink



DURABLE MATERIAL
1.2MM PVC BRUSHED
MATERIAL WITH
SMOOTH SURFACE

20 feet purple



13 feet green



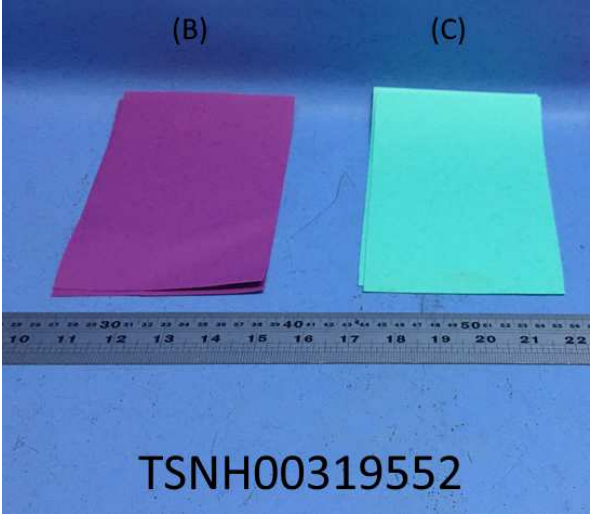
20 feet green

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Photo



End of report