

Test Report

NUMBER : TSNH00326133

Applicant : JIANGSU LEETON MACHINERY CO.,LTD
Ma Tang Zhen Ma Village twenty groups
Attn :Vicky

Date : Nov 20,2019

Sample Description:

One (1) group submitted sample said to be
Item Name : Climb & Crawl Foam Play Set
Item No. : SKY5376
Age grading : 1+
Buyer : SKY BILLIARDS,INC.DBA BEST CHOICE PRODUCTS
Supplier/Manufacturer : JIANGSU LEETON MACHINERY CO.,LTD
Country of Destination : USA
Country of Origin : CHINA

Tests Conducted:

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

Conclusion:

Tested Sample/Components	Standard	Result
Submitted Sample	U.S. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety – Physical and mechanical test and Flammability part	Pass
Submitted Sample	U.S. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety Clause 4.3.6.3 The cleanliness of Cosmetics, Liquids, Pastes, Putties, Gels, Powders, And Items of Avian Feather Origin used in toys	Not Applicable
Submitted Sample	U.S. ASTM F963-17 for total Lead content-surface coating	Not Applicable
(1),(2),(3),(4),(5)&(6)	U.S. ASTM F963-17 for total Lead content-non-surface coating	Pass

To be continued

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



David Zhang
Senior Manager



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<u>Tested Sample/Components</u>	<u>Standard</u>	<u>Result</u>
(1),(2),(3),(4),(5)&(6)	U.S. ASTM F963-17 section 4.3.5.2(2)(b) for soluble elements content for non-surface coating materials	Pass
Submitted Sample	U.S. ASTM F963-17 for soluble elements content in surface coating	Not Applicable
(1),(2),(3),(4),(5)&(6)	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
Submitted Sample	U.S. Code of Federal Regulations title 16 part 1303 for total Lead content in surface coating	Not Applicable
Submitted Sample	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)	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	Pass

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1. Toy Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: Over one year of age

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations: -

Test	FHSA	Parameter
Impact Test	Section 1500.51(b)	10 x 4.5 ft
Tip over Test	Section 1500.53(b)	3 times
Torque Test	Section 1500.53(e)	4 in-lbf
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf

Section	Testing Items	Assessment
4.1	Material Quality	P
4.2	Flammability	P (See test data #1)
4.3.7	Stuffing Materials	P
4.4	Electrical/Thermal Energy	NA
4.5	Sound-Producing Toys	NA
4.6.1	Toys Intended for Children under 36 Months (Small Objects)	P
4.6.2	Mouth-Actuated Toys	NA
4.6.3	Toys And Games for 36 Months to 72 Months (Small Part Warning)	NA
4.7	Accessible Edges	P
4.8	Projections	NA
4.9	Accessible Points	P
4.10	Wires Or Rods	NA
4.11	Nails And Fasteners	NA
4.12	Plastic Film	P
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	NA

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Section	Testing Items	Assessment
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labelling Requirement	NA
6	Instructional Literature	NA
7	Producer's Markings - Name of Distributor (Package) - Address (Package)	P Yes Yes

Remark: The submitted samples were undergone the tests in accordance with Section 8.5 through Section 8.18 and 8.21 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

Test data #1

Flammability Test- Solid & Plush toys

As per section 4.2 of the ASTM Standard Consumer Safety Specification On Toy Safety F963-17.

Result = Did Not Ignite

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2. 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-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(II) Non-surface coating

Tested components	Result in ppm	Limit (ppm)
(1)	<10	100
(2)	<10	100
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100

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

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

3. Soluble Elements Analysis In Non-Surface Coating Materials (Substrate Except Modelling Clay)

As per section 4.3.5.2(b) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	Result (ppm)						Limit (ppm)
	(1)	(2)	(3)	(4)	(5)	(6)	
Sol. Barium (Ba)	8	10	8	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	3.2	3.4	2.9	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg
spl.wt. = sample weight

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 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Components	Result (ppm)	Limit (ppm)
(1)	<10	100
(2)	<10	100
(3)	<10	100
(4)	<10	100
(5)	<10	100
(6)	<10	100

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

5. 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)	(5)	(6)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	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 Component(s): See component list in the last section of this report.

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- (1) Orange PU fabric for sample(A1) use
- (2) Red PU fabric for sample(A1),(A2) use
- (3) Yellow PU fabric for sample(A2),(A5) use
- (4) Blue PU fabric for sample(A3) use
- (5) Green PU fabric for sample(A3),(A4) use
- (6) Purple PU fabric for sample(A4),(A5) use

Date sample received: Oct 23, 2019

Testing period: Oct 23, 2019 To Nov 13, 2019

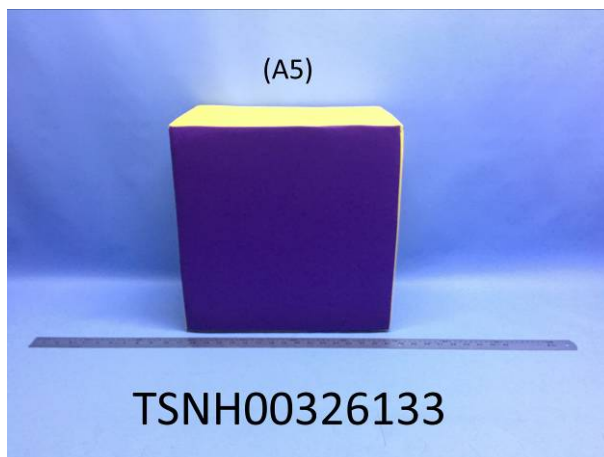
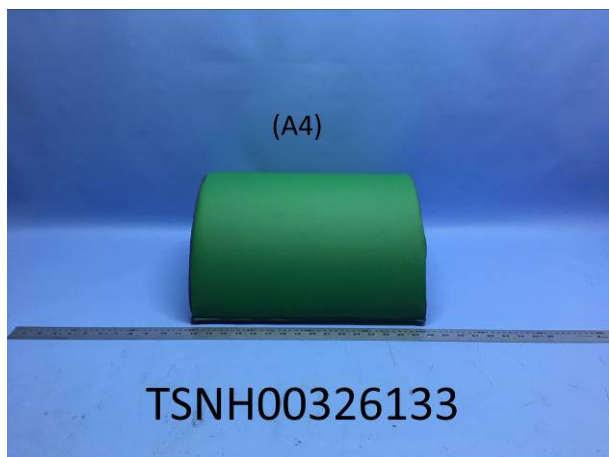
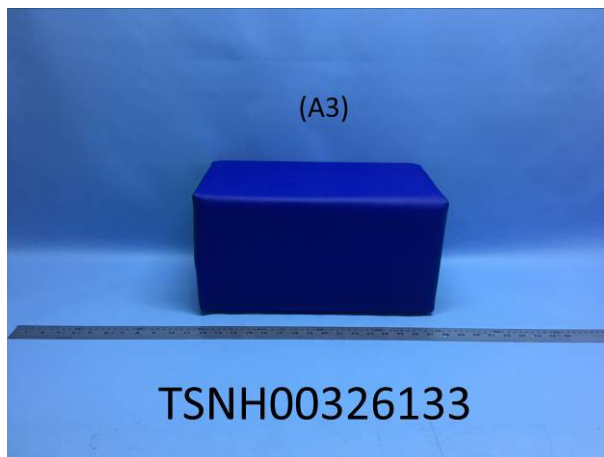
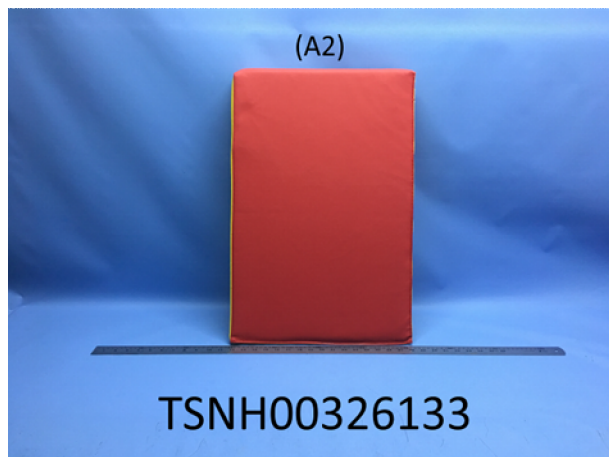
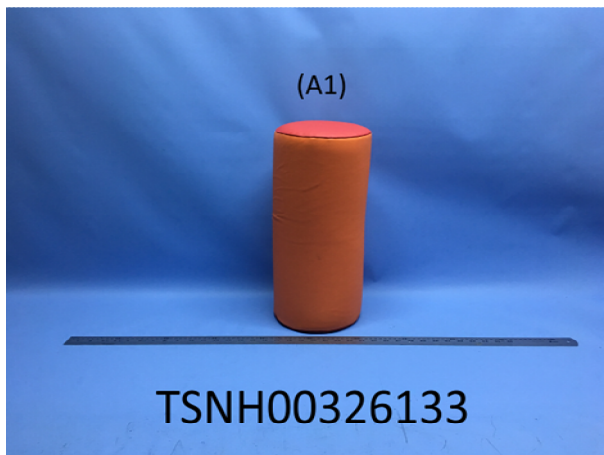
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Photo



End of report