



TEST REPORT

Report No.: CCI221100158EN

Report Date: Nov. 24, 2022

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Applicant : Nangong Yuyi felt Products Factory

Address : Hongmiao Village, Xuewuzhuang, Xingtai, Hebei, CN

(The following sample(s) was (were) submitted and identified by client as)

Sample Name : Felt busy board
Model/Item No. : YY20221110-1501, YY20221110-1502
Trademark : YY
Manufacturer : Nangong Yuyi felt Products Factory
Labeled Age Grading : 3+
Requested Age Grading : 3+
Age Group Applied in Testing : Over 3 years
Test Period : From Nov. 10, 2022 to Nov. 24, 2022
Tests Conducted : As requested by the applicant, for details refer to next page(s).

Signed for and on behalf of
Compliance Control Institute (Guangzhou) Co., Ltd.

Approved by: _____

Pascal SHI/Technical Director

Compliance Control Institute (Guangzhou) Co., Ltd.

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Executive Summary:

No.	TESTED SAMPLE	STANDARD / REQUIREMENT	CONCLUSION
1	Submitted samples	ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety - Physical and Mechanical Tests	PASS
	Submitted samples	ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety - Flammability Test on solids and soft toys	PASS
	Tested material(s) of submitted sample(s)	ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety - Total Lead (Pb)	PASS
	Tested material(s) of submitted sample(s)	ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety - Soluble Heavy Metals	PASS
2	Submitted samples	Section 103 of U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA) - Tracking labels for children product	PASS
	Tested material(s) of submitted sample(s)	Section 101 of U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA) - Total Lead (Pb)	PASS
	Tested material(s) of submitted sample(s)	Section 108 of U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA) - Phthalates	PASS



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TESTS CONDUCTED:

1.1. Physical and Mechanical Tests - ASTM F963-17

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

The submitted samples were undergone the tests in accordance with section 8.5 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable

Test	Parameter
Impact test	4x3.0ft
Torque test	4 in-lbf
Tension test	15 lbf
Compression test	30 lbf

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	P
4.2	Flammability	P
4.3.7	Stuffing Materials	NA
4.4	Electrical/Thermal Energy	NA
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for children at least 36 months but less than 72 months (small part warning)	P
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	P
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 (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA

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Section	Testing Items	Assessment
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
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	Yoyo 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	P
6	Instructional literature	P
7	Producer's markings	
7.1	- Name of producer/distributor (Toy&Package)	Yes
	- Address (Toy&Package)	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Note: P = Pass NA = Not Applicable



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1.2. Flammability Test - ASTM F963-17

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Sample	Ignition Point	Burn Length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)
Felt busy board	Edge	/	/	IBE	0.1

Note: IBE = Ignited But Self-Extinguished

1.3. Total Lead content - ASTM F963-17

Total Lead content in substrate material - ASTM F963-17 Section 4.3.5.2

Test Method: With reference to ASTM F963-17 Section 8.3.1, was analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Material No.	RL (mg/kg)	Limit (mg/kg)	Test Result (mg/kg)	Conclusion
1	10	100	N.D.	PASS

- Note:**
1. mg/kg = Milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.

1.4. Soluble Heavy Metals content in substrate material - ASTM F963-17 Section 4.3.5.2

Test Method: With reference to ASTM F963-17 Section 8.3.2 to Section 8.3.5, was analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Elements	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Conclusion
Limit(mg/kg)	60	25	1000	75	60	90	60	500	
RL (mg/kg)	5	2.5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS



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- Note:**
1. mg/kg = Milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. All the reported results of soluble heavy metals are adjusted analytical results with the analytical correction shown in the following table

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical correction (%)	60	60	30	30	30	30	50	60

2.1. Tracking label assessment - CPSIA

As per consumer product safety improvement act (CPSIA) 2008 Section 103 tracking labels for children products

Tracking label found on package:

Name of manufacturer	Nangong Yuyi Felt Products Factory
Location	6 Hongmiao Village, Wucun Township, Nangong City, Hebei Province, CN
Date code	10-2022
Batch No.	102022

Tracking label found on the product:

Name of manufacturer	Nangong Yuyi Felt Products Factory
Location	6 Hongmiao Village, Wucun Township, Nangong City, Hebei Province, CN
Date code	10-2022
Batch No.	102022

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



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2.2. Total Lead content - CPSIA

Total Lead content in Substrate:

Test Method:

Metal - With reference to CPSC-CH-E1001-08.3

Nonmetal - With reference to CPSC-CH-E1002-08.3, was analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Material No.	RL (mg/kg)	Limit (mg/kg)	Test Result (mg/kg)	Conclusion
1	2	100	N.D.	PASS

- Note:**
1. mg/kg = Milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.

2.3. Phthalates - CPSIA

Test Method: With reference to CPSC-CH-C1001-09.4, was analyzed by Gas Chromatography-Mass Spectrometry (GC-MS).

Substances	CAS No.	RL (%)	Limit (%)	Test Result (%)
				1
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	0.0020	0.1	N.D.
Dibutyl phthalate (DBP)	84-74-2	0.0020	0.1	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	0.0020	0.1	N.D.
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	0.0040	0.1	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	0.0020	0.1	N.D.
Diamyl phthalate (DPENP)	131-18-0	0.0020	0.1	N.D.
Di-n-Hexyl phthalate (DHEXP)	84-75-3	0.0020	0.1	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	0.0020	0.1	N.D.
Conclusion				PASS

- Note:**
1. % = percentage by weight, 0.1% = 1000mg/kg = 1000ppm.
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.



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Test Material(s) List

Material No.	Description	Location
1	Yellow plastic	Elastic rope buttons on the surface of the pink felt busy board

Photo Appendix



★★★★★End of Report★★★★★

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