



Test Report

Report No :DST20250213220E

Date: Feb.27,2025

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Applicant : Zhejiang Muzhilin Toys Co., LTD
Address : No.1, Building 4,77, Yangliuhe Road, Balongshan Street, Yunhe County, Lishui City, Zhejiang Province, China
Manufacturer : Zhejiang Muzhilin Toys Co., LTD
Address : No.1, Building 4,77, Yangliuhe Road, Balongshan Street, Yunhe County, Lishui City, Zhejiang Province, China
Trade marks : Mu Zhilin

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name : Color-shape classification box
Sample Description : Color-shape classification box
Model No. : MZL—108 MZL—109 MZL—110
Labeled Age Grading : Over 36 months old
Test Age Grading : Over 18 months old
Manufacture Date : November 24, 2024
Sample Received Date : Feb.24, 2025
Testing Period : Feb.24, 2025 To Feb.27, 2025
Test Requested : Test samples according to customer requirements
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).
CPSC Lab ID : 1779



Scan QR code
verification of authenticity

Security Code : ZY3AJL5F1

Cong Deng
Technical director

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**SRESULT SUMMARY:**

Test Requested		Conclusion
1	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	PASS
1.1	Physical & Mechanical Test	PASS
1.2	Section 4.2- Flammability Test	PASS
1.2.1	16 CFR 1610 Standard For Flammability Of Clothing Textiles	NA
1.2.2	16 CFR 1500.44 Method for determining extremely flammable and flammable solids.	PASS
1.3	Section 4.3-Toxicology-ASTM F963-23	PASS
1.3.1	Section4.3.5.1(1)(Coating materials)-3.1 Total Lead Content in Surface Coating -ASTM Standard Consumer Safety Specification on Toy Safety ASTM F963-23	PASS
1.3.2	Section4.3.5.2(2)(a)-Total Lead Content in Substrate- ASTM Standard Consumer Safety Specification on Toy Safety ASTM F963-23.	PASS
1.3.3	Section 4.3.5.1(2)(Coating materials)-Soluble Heavy Metals Content in surface coating - ASTM International Standard ASTM F963-23.	PASS
1.3.4	Section 4.3.5.2(2)(b)-Soluble Heavy Metals Content in Substrate -ASTM International Standard ASTM F963-23	PASS
1.3.5	Section 4.3.8-Phthalates Content -Standard Consumer Safety Specification on Toy Safety ASTM F963-23	PASS
2	As specified in title 16, code of federal regulations, chapter II- consumer products safety commission of U.S.A	PASS
2.1	16 CFR 1500.48 Sharp Point	PASS
2.2	16 CFR 1500.49 Sharp Edge	PASS
2.3	16 CFR 1501 Small part rule	PASS
2.4	16 CFR 1500.50.51.52.53 Simulating use and abuse of toys	PASS
3	16 CFR Part 1303 Lead Paint Regulation	PASS
4	Consumer Product Safety Improvement Act of 2008 (CPSIA)	PASS
4.1	CPSIA Sec.101.(a) Lead in Total Lead Content in Substrate Children's Products	PASS
4.2	CPSIA Sec.101.(f) Lead content for coating	PASS
4.3	CPSIA Sec.108 Determination of Phthalates	PASS
4.4	CPSIA Sec.103 Tracking Labels for Children's Products	PASS
5	CSPA-Total cadmium (Cd) and Phthalates content according to CSPA-RCW 70.240-Chapter wac173-334 WAC	PASS

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Sample Description:

No.	Description
1.	Color-shape classification box (Finished product)
2.	Blue Coating
3.	Pink Coating
4.	Green Coating
5.	Apricot Coating
6.	Purple Coating
7.	Kahki Coating
8.	Wood
9.	Wood

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1. Test Result(s) of ASTM F963-23

1.1.ASTM F963-23 Standard Consumer Safety Specification For Toy Safety:Physical & Mechanical Tests

Section	Testing Items	Result
		1
4.1	Material quality (visual check on cleanliness)	PASS
4.2	Flammability Test	PASS (See Result Page)
4.3	Toxicology	PASS
4.3.5	Heavy Elements	PASS
4.3.5.1	Paint and Similar Surface-Coating Materials	PASS
4.3.5.2	Toy Substrate Materials	PASS (See Result Page)
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders, and Items of Avian Feather Origin	NA
4.3.7	Stuffing Materials	NA
4.4	Electrical/Thermal Energy	NA
4.5	Sound-Producing Toys	NA
4.6	Small objects	PASS
4.6.1	Toys that are intended for children under 36 months of age	PASS
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games that are intended for use by children who are at least three years old but less than six years of age	NA
4.7	Accessible edges	PASS
4.8	Projections	PASS
4.9	Accessible points	PASS
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	PASS
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	PASS

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Section	Testing Items	Result
		1
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teether 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	PASS
4.33	Marbles	NA
4.34	Balls	PASS
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	Labeling requirements	PASS
5.1	Federal government requirements	PASS
5.2	Age grading labeling	PASS
	Remark :The toy or package should indicate the minimum age for intended use.	
5.3	Safety Labeling Requirements	PASS
5.4	Aquatic Toys	PASS
5.5	Crib and Playpen Toys	NA
5.6	Mobiles	NA
5.7	Stroller and Carriage Toys	NA

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Section	Testing Items	Result
		1
5.8	Toys Intended to be Assembled By an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges or Points	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NA
5.12	Art Materials	NA
5.13	Electric Toys	NA
5.14	Battery-Operated Toys	NA
5.15	Promotional Materials	NA
5.16	Magnets	NA
6	Instructional literature	PASS
6.1	Definition and description	PASS
6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	NA
6.5	Battery-operated toys	NA
6.6	Battery powered ride-on toys	NA
6.7	Toys in contact with food	NA
6.8	Toy Chests	NA
6.9	The instructional material for toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies) shall direct caregivers to retain the tool for future use, to store it where the child cannot access it, and state that the tool is not a toy.	NA
7	Producer's markings	PASS
7.1	Name of producer/distributor and Address (toy & package)	PASS
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toy Chests	NA
8	Test Methods	PASS
8.5	Normal use testing	PASS
8.5.1	Washable test	NA
8.6	Abuse Testing	PASS
8.7	Impact test	PASS
8.8	Torque test	PASS

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Section	Testing Items	Result
		1
8.9	Tension test	PASS
8.10	Compression test	PASS
8.12	Flexure test	NA
8.13	Methods for Mouth-Actuated Toys and Mouth-Actuated Projectile Toys Test	NA
8.14	Projectiles	NA
8.16	Tension test for pompoms	NA
8.19	Test for Toys that Contain Secondary Cells or Batteries	NA
8.20	Tests for Toys Which Produce Sound	NA
8.22	Plastic Film Thickness	NA
8.23	Test for Loops and Cords	NA
8.25	Magnet Test Methods	NA
8.29	Stuffing Materials Evaluation	NA

Note / Key :.NA = Not Applicable, NC= Not Conducted as per client's request.Note / Key :.NA = Not Applicable, NC= Not Conducted as per client's request.

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1.2.ASTM F963-23 Flammability Test Section 4.2

1.2.1. 16 CFR 1610 Standard For Flammability Of Clothing Textiles

Number	Test Results	Conclusion
No.1 (Use tests in their original state)	NA	/

Remarks:

Series	Textile Type	Performance Requirements
1 level	No fluff, tufting or other surface fuzz	Flame spread time \geq 3.5S
	Has fluff, tufted or other types of surface raising	Flame spread time $>$ 7S
2 level	Has fluff, tufted or other types of surface raising	4s \leq Flame spread time \leq 7S
3 level	No fluff, tufting or other surface fuzz	Flame spread time $<$ 3.5S
	Has fluff, tufted or other types of surface raising	Flame spread time $<$ 4.0S And accompanied by matrix burning

Note / Key :

1. DNI = Did not ignite.
2. NA = Not Applicable
3. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

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1.2.2.Test method: 16 CFR 1500.44: Method for determining extremely flammable and flammable solids.

Sample	Burn rate (inch/sec.)	Limit (inch/sec.)
1	IBE	0.10

Note / Key :

1. DNI = Did not ignite.
2. NA = Not Applicable
3. IBE = Ignited but self-extinguished before burn-rate could be determined.
4. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.
5. The burn rate of a composite product (that is solid/fabric combined)exceeds 0.1 in./s in part due to the presence of a permanently attached fabric, then a secondary test to fabric separately was conducted in accordance the standard

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1.3 Toxicology-ASTM F963-23 Section 4.3

1.3.1.Total Lead Content in Surface Coating "ASTM Standard Consumer Safety Specification on ToySafety ASTM F963-23 Section4.3.5.1(1)(Coating materials)

Test method: ASTM F963-23 Section 8.3.1

Test Item	Unit	Result	Result	Result	MDL	Limit
		No.2	No.3	No.4		
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	10	90
Conclusion	--	PASS	PASS	PASS	--	--

Test Item	Unit	Result	Result	Result	MDL	Limit
		No.5	No.6	No.7		
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	10	90
Conclusion	--	PASS	PASS	PASS	--	--

Note:

1. mg/kg = milligram per kilogram
2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.
3. NA = Not Applicable

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1.3.2. Section4.3.5.2(2)(a)-Total Lead Content in Substrate- ASTM Standard Consumer Safety Specification on Toy Safety ASTM F963-23.

Test method: ASTM F963-23 Section 8.3

Test Item	Unit	Result	Result	MDL	Limit
		No.2+No.3+No.4 (Mix)	No.5+No.6+No.7 (Mix)		
Lead (Pb)	mg/kg	N.D.	N.D.	10	100
Conclusion	--	PASS	PASS	--	--

Test Item	Unit	Result	Result	MDL	Limit
		No.8	No.9		
Lead (Pb)	mg/kg	N.D.	N.D.	10	100
Conclusion	--	PASS	PASS	--	--

Note:

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2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.
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1.3.3. Section 4.3.5.1(2)(Coating materials)-Soluble Heavy Metals Content in surface coating - ASTM International Standard ASTM F963-23

Test Method: ASTM F963-23, Section 8.3.2

Test Item(s)	Unit	Result	Result	Result	MDL	Limit
		No.2	No.3	No.4		
Soluble Arsenic (As)	mg/kg	N.D.	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	mg/kg	N.D.	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	mg/kg	N.D.	N.D.	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	N.D.	N.D.	5	60
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	5	60
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	5	90
Soluble Antimony (Sb)	mg/kg	N.D.	N.D.	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	5	500
Conclusion	-	PASS	PASS	PASS	-	-

Test Item(s)	Unit	Result	Result	Result	MDL	Limit
		No.5	No.6	No.7		
Soluble Arsenic (As)	mg/kg	N.D.	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	mg/kg	N.D.	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	mg/kg	N.D.	N.D.	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	N.D.	N.D.	5	60
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	5	60
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	5	90
Soluble Antimony (Sb)	mg/kg	N.D.	N.D.	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	5	500
Conclusion	-	PASS	PASS	PASS	-	-

Note / Key :1.ND = Not detected(<MDL)

2.mg/kg = milligram per kilogram

3. MDL = Method Detection Limit

4.NA = Not Applicable

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1.3.4. Section 4.3.5.2(2)(b)-Soluble Heavy Metals Content in Substrate -ASTM International Standard ASTM F963-23

Test Method: ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3))

Test Item(s)	Unit	Result	Result	Result	Result	MDL	Limit
		No.2	No.3	No.4	No.5		
Soluble Arsenic (As)	mg/kg	N.D.	N.D.	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	90
Soluble Antimony (Sb)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	500
Conclusion	--	PASS	PASS	PASS	PASS	--	--

Test Item(s)	Unit	Result	Result	Result	Result	MDL	Limit
		No.6	No.7	No.8	No.9		
Soluble Arsenic (As)	mg/kg	N.D.	N.D.	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	75
Soluble Chromium (Cr)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Mercury (Hg)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	90
Soluble Antimony (Sb)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	60
Soluble Selenium (Se)	mg/kg	N.D.	N.D.	N.D.	N.D.	5	500
Conclusion	--	PASS	PASS	PASS	PASS	--	--

Note / Key :1.ND = Not detected(<MDL)

2.mg/kg = milligram per kilogram

3. MDL = Method Detection Limit

4. Tested part(s) was/were specified by client

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**1.3.5 Section 4.3.8-Phthalates Content -Standard Consumer Safety Specification on Toy Safety ASTM F963-23**

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Test Item	CAS No.	Unit	Result	Result	MDL	Limit
			No.2+No.3+No.4 (Mix)	No.5+No.6+No.7 (Mix)		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553- 12-0 68515-48-0	%	N.D.	N.D.	0.010	0.1
Di-n-pentyl phthalate(DPENP)	131- 18-0	%	N.D.	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	N.D.	0.005	0.1
Di-isobutyl phthalate(DIBP)	84-69-5	%	N.D.	N.D.	0.005	0.1
Dicyclohexyl phthalate(DCHP)	84-61-7	%	N.D.	N.D.	0.005	0.1
Conclusion	--	--	PASS	PASS	--	--

Test Item	CAS No.	Unit	Result	Result	MDL	Limit
			No.8	No.9		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553- 12-0 68515-48-0	%	N.D.	N.D.	0.010	0.1
Di-n-pentyl phthalate(DPENP)	131- 18-0	%	N.D.	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	N.D.	0.005	0.1
Di-isobutyl phthalate(DIBP)	84-69-5	%	N.D.	N.D.	0.005	0.1
Dicyclohexyl phthalate(DCHP)	84-61-7	%	N.D.	N.D.	0.005	0.1
Conclusion	--	--	PASS	PASS	--	--

Note:

1. % = percentage by weight, 0.0001% = 1 mg/kg, mg/kg = milligram per kilogram
2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.
3. NA = Not Applicable

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**2.As specified in title 16, code of federal regulations, chapter II- consumer products safety commission of U.S.A
CPSC 16 CFR 1500.48,16 CFR 1500.49,16 CFR 1500.50 and CPSC 16 CFR 1501- Small Part**

NO.	Test Item(s)	Requirements of Standard	Result
			1
2.1	16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	PASS
2.2	16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	PASS
2.3	CPSC 16 CFR 1500.50	Normal use testing	PASS
2.4	CPSC 16 CFR 1500.52b	Impact test	PASS
2.5	CPSC 16 CFR 1500.52c	Bite test	NA
2.6	CPSC 16 CFR 1500.52d	Flexure test	NA
2.7	CPSC 16 CFR 1500.52e	Torque test	PASS
2.8	CPSC 16 CFR 1500.52f	Tension test	PASS
2.9	CPSC 16 CFR 1500.52g	Compression test	NA
2.10	CPSC 16 CFR 1501-Small part	Toys and other article intended for use by children under 3 years of age shall not have small parts since it presents a choking, aspiration, or ingestion hazard. Toys and other article are subject to this requirement before or after use and abuse testing.	PASS

Note:NA= Not Applicable

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3.16 CFR Part 1303 Lead Paint Regulation (CPSC-CH-E1003-09.1)

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Unit	Result	Result	Result	MDL	Limit
		No.2	No.3	No.4		
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	10	90
Conclusion	--	PASS	PASS	PASS	--	--

Test Item	Unit	Result	Result	Result	MDL	Limit
		No.5	No.6	No.7		
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	10	90
Conclusion	--	PASS	PASS	PASS	--	--

- Note: 1.mg/kg=milligram per kilogram
- 2..NA= Not Applicable

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4.Test Result(s) of Consumer Product Safety Improvement Act of 2008 (CPSIA)

4.1.Consumer Product Safety Improvement Act of 2008 (CPSIA)

-CPSIA Sec.101.(a) Lead in Non-Metal Children’s Products (CPSC-CH-E1002-08.3)

-CPSIA Sec.101.(a) Lead in Metal Children’s Products (CPSC-CH-E1001-08.3)

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Unit	Result	Result	MDL	Limit
		No.2+No.3+No.4 (Mix)	No.5+No.6+No.7 (Mix)		
Lead (Pb)	mg/kg	N.D.	N.D.	10	100
Conclusion	--	PASS	PASS	--	--

Test Item	Unit	Result	Result	MDL	Limit
		No.8	No.9		
Lead (Pb)	mg/kg	N.D.	N.D.	10	100
Conclusion	--	PASS	PASS	--	--

Note:

- 1.mg/kg=milligram per kilogram
- 2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.

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4.2.Consumer Product Safety Improvement Act of 2008 (CPSIA)
-CPSIA Sec.101.(f) Lead content for coating (CPSC-CH-E1003-09.1)

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Table with 7 columns: Test Item, Unit, Result No.2, Result No.3, Result No.4, MDL, Limit. Rows include Lead (Pb) and Conclusion.

Table with 7 columns: Test Item, Unit, Result No.5, Result No.6, Result No.7, MDL, Limit. Rows include Lead (Pb) and Conclusion.

Note:

- 1. mg/kg=milligram per kilogram
2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.

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**4.3.Consumer Product Safety Improvement Act of 2008 (CPSIA)****-CPSIA Sec.108 Determination of Phthalates (CPSC-CH-C1001:09.4)**

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Test Item	CAS No.	Unit	Result	Result	MDL	Limit
			No.2+No.3+No.4 (Mix)	No.5+No.6+No.7 (Mix)		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553- 12-0 68515-48-0	%	N.D.	N.D.	0.010	0.1
Di-n-pentyl phthalate(DPENP)	131- 18-0	%	N.D.	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	N.D.	0.005	0.1
Di-isobutyl phthalate(DIBP)	84-69-5	%	N.D.	N.D.	0.005	0.1
Dicyclohexyl phthalate(DCHP)	84-61-7	%	N.D.	N.D.	0.005	0.1
Conclusion	--	--	PASS	PASS	--	--

Test Item	CAS No.	Unit	Result	Result	MDL	Limit
			No.8	No.9		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553- 12-0 68515-48-0	%	N.D.	N.D.	0.010	0.1
Di-n-pentyl phthalate(DPENP)	131- 18-0	%	N.D.	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	N.D.	0.005	0.1
Di-isobutyl phthalate(DIBP)	84-69-5	%	N.D.	N.D.	0.005	0.1
Dicyclohexyl phthalate(DCHP)	84-61-7	%	N.D.	N.D.	0.005	0.1
Conclusion	--	--	PASS	PASS	--	--

Note:

1. % = percentage by weight, 0.0001% = 1 mg/kg
2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.

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4.4.As specified in Consumer Product Safety Act (CPSA) of Section 14(a)(5) Tracking Label for children's products.

Description	Result
	1
a) Is the product intended for children under 12 years? If no, the section is not applicable.	Y
b) Is the product under the exemption of marking on children’s product?	Y
1. Product is too small to be marked.	Y
2. Products stay with or be contained in their original packaging.	Y
3. Product is sold through a bulk vending matching.	N
4. Physical mark would weaken or damage the product or impair its utility.	N
5. Product surface would be impossible to mark permanently.	N
6. Aesthetics of the product would be ruined by a mark.	N
c) Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	P
1) Name of the manufacturer or the name of the private labeler.	Y
2) Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state.	Y
3) Date of production of the product, in a form of MM/YY or any other coding system.	Y
4) Cohort information (including the batch, run number, or another identifying characteristic).	Y
d) Is the label permanent after below permanency testing?	P

Remark: P = Pass, F = Fail, Y = Yes , N= Not

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.

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.

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5.CSPA-Total cadmium (Cd) and Phthalates content according to CSPA-RCW 70.240-Chapter wac173-334 WAC

-CSPA Cadmium Test

Test Method: With reference to EPA 3050B:1996(metal),EPA 3052:1996 (nonmetal),analysis was performed by ICP-OES

Test Item	Unit	Result	Result	MDL	Limit
		No.2+No.3+No.4 (Mix)	No.5+No.6+No.7 (Mix)		
Total cadmium (Cd)	mg/kg	N.D.	N.D.	5	100
Conclusion	--	PASS	PASS	--	--

Test Item	Unit	Result	Result	MDL	Limit
		No.8	No.9		
Total cadmium (Cd)	mg/kg	N.D.	N.D.	5	100
Conclusion	--	PASS	PASS	--	--

Note:

- 1. mg/kg=milligram per kilogram;
- 2. N.D.=No Detection(<MDL);
- 3. MDL =Method Detection Limit.



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**-CSPA Phthalates (8P)**

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Test Item	CAS No.	Unit	Result	Result	MDL	Limit
			No.2+No.3+No.4 (Mix)	No.5+No.6+No.7 (Mix)		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	%	N.D.	N.D.	0.010	0.1
Diethyl phthalate(DEP)	84-66-2	%	N.D.	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	N.D.	0.005	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	N.D.	N.D.	0.005	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	%	N.D.	N.D.	0.010	0.1
Conclusion	--	--	PASS	PASS	--	--

Test Item	CAS No.	Unit	Result	Result	MDL	Limit
			No.8	No.9		
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	%	N.D.	N.D.	0.005	0.1
Di-butyl phthalate (DBP)	84-74-2	%	N.D.	N.D.	0.005	0.1
Butyl benzyl phthalate (BBP)	85-68-7	%	N.D.	N.D.	0.005	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	%	N.D.	N.D.	0.010	0.1
Diethyl phthalate(DEP)	84-66-2	%	N.D.	N.D.	0.010	0.1
Di-n-hexyl phthalate(DHEXP)	84-75-3	%	N.D.	N.D.	0.005	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	N.D.	N.D.	0.005	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	%	N.D.	N.D.	0.010	0.1
Conclusion	--	--	PASS	PASS	--	--

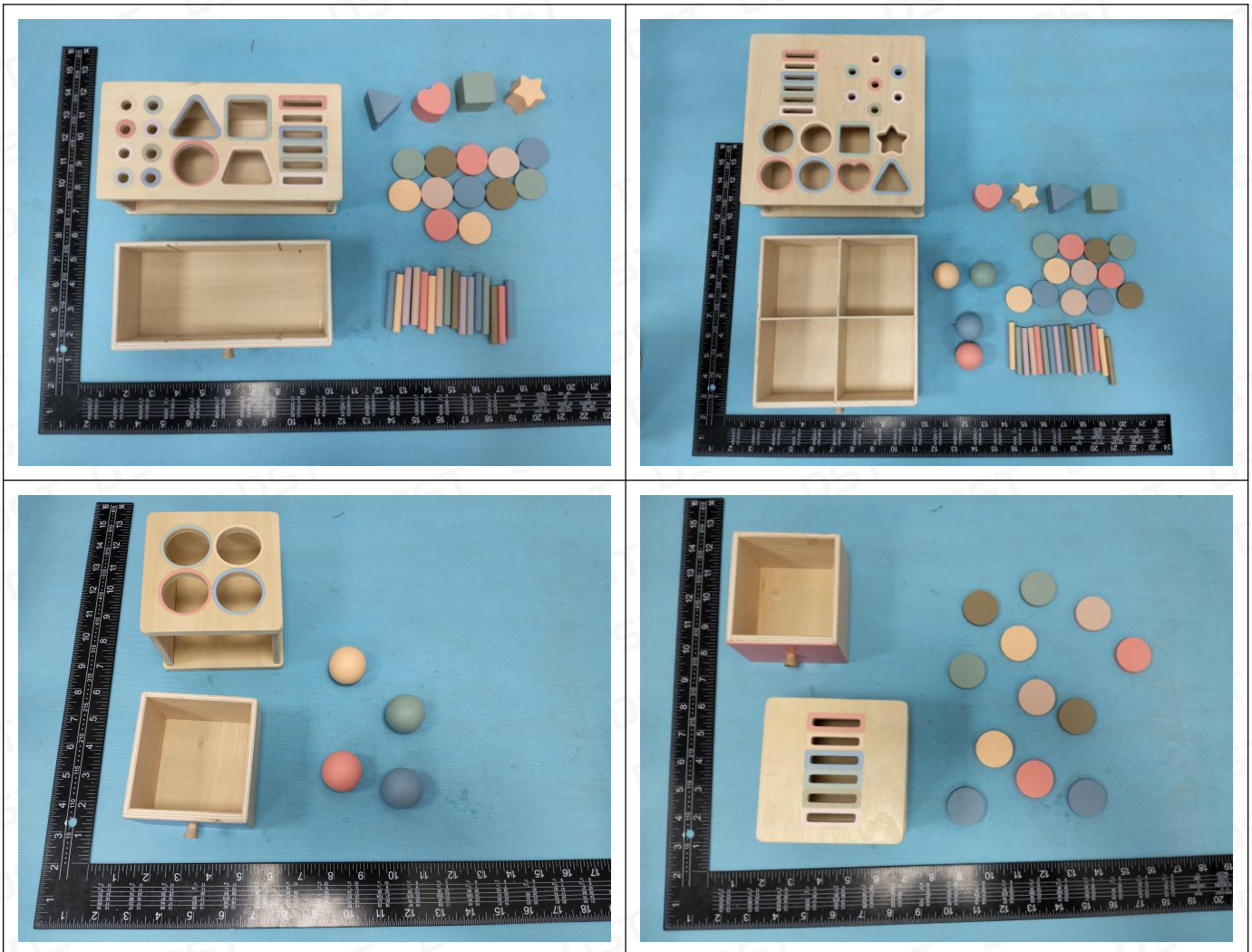
Note:

1. % = percentage by weight, 0.0001% = 1 mg/kg, mg/kg=milligram per kilogram
2. N.D.=No Detection(<MDL);MDL =Method Detection Limit.
3. NA = Not Applicable

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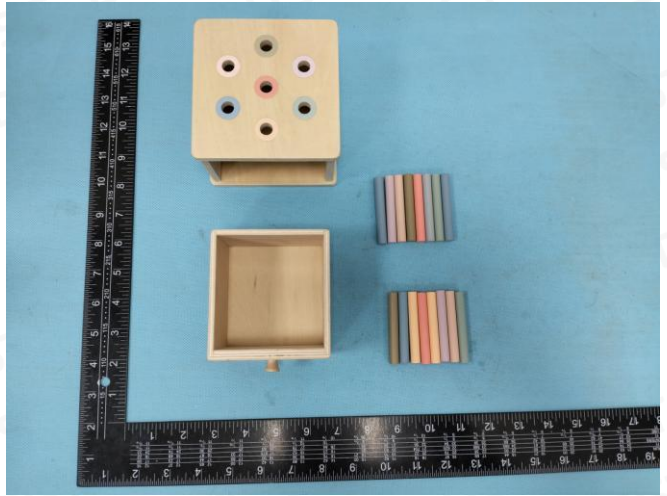
Sample and packaging pictures:



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Product Label	
Sample Name	Color-shape classification box
Trade Marks	Mu Zhilin
Generation	36+
Sample Model	MZL—108 MZL—109 MZL—110
Manufacturer	Zhejiang Muzhilin Toys Co., LTD
Manufacture Address	No.1, Building 4,77, Yangliuhe Road, Balongshan Street, Yunhe County, Lishui City, Zhejiang Province, China
Manufacture Date	2025.1.1
Made in China   	
 WARNING:	CHOKING HAZARD—Small parts. Not for children under 3 yrs.



*** End of Report ***

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