

Test Report

Report No.: U05101220720003-1E

Date: Jul .20 ,2022

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Applicant: WELL-MART INDUSTRIAL CO., LTD.

Contact information: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE

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

Sample Description : BUBBLE BATON STICK 14 IN,
Item No. : G160300
Sample Received Date : Jul.15,2022
Testing Period : From Jul.15,2022 to Jul.20,2022
Test Request : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



Ruth Lai

Checked by



Thea Ye

Approved by



Hedy Xu



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Summary of test results(Tested parts are required partially by client):

TEST REQUEST**CONCLUSION**

(1)	Entry 51 & 52 of Annex XVII of the REACH regulation (EC) No.1907/2006 and its subsequent amendments Phthalates (DBP, BBP, DEHP, DIBP, DNOP, DIDP, DINP)	PASS
(2)	Client's Requirement DCHP, DPENP/DPP, DHEXP/DNHP content	PASS

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Item No.: G160300

Test Material(s) List

Material No.	Description
1	Pink plastic
2	Green plastic
3	Blue plastic
4	Orange plastic
5	White plastic

Test Result(s):

(1) Phthalates (DBP, BBP, DEHP, DIBP, DNOP, DIDP, DINP)

Test Method: With reference to CPSC-CH-C1001-09.4 & EN 14372:2004, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Item	CAS No.	Unit	MDL	Limit	Test Result
					1+2+3+4+5
Dibutylphthalate (DBP)	84-74-2	%	0.002	0.1	N.D.
Butylbenzylphthalate (BBP)	85-68-7	%	0.002	0.1	N.D.
Di (2-ethylhexyl)phthalate (DEHP)	117-81-7	%	0.002	0.1	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	%	0.002	0.1	N.D.
Sum (DBP+BBP+DEHP+DIBP)	/	%	/	0.1	N.D.
Di-n-octylphthalate (DNOP)	117-84-0	%	0.002	0.1	N.D.
Di-iso-nonylphthalate (DINP)	68515-48-0 28553-12-0	%	0.004	0.1	N.D.
Di-iso-decylphthalate (DIDP)	26761-40-0 68515-49-1	%	0.004	0.1	N.D.
Sum (DNOP+DINP+DIDP)	/	%	/	0.1	N.D.
Conclusion					PASS

- Note:**
1. % = percentage by weight, 0.1% = 1000mg/kg.
 2. MDL = method detection limit.
 3. N.D.=not detected (<MDL).
 4. "/"=Not regulated.

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(2) DCHP, DPENP/DPP, DHEXP/DNHP content

Test Method: With reference to CPSC-CH-C1001-09.4 & EN 14372:2004, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Item	CAS No.	Unit	MDL	Client's Limit	Test Result
					1+2+3
Di-n-Hexyl phthalate (DHEXP/DNHP)	84-75-3	%	0.0020	0.1	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.0020	0.1	N.D.
Dipentyl phthalate (DPENP/DPP)	131-18-0	%	0.0020	0.1	N.D.
Conclusion					PASS

- Note:**
1. % = percentage by weight, 0.1% = 1000mg/kg.
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Photo(s) of Sample:

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Applicant: WELL-MART INDUSTRIAL CO., LTD.**Contact information:** CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE**The following sample(s) was (were) submitted and identified by client as:**

Sample Description : BUBBLE BATON STICK 14 IN,

Model No. : G160300

Sample Received Date : Jul.15,2022

Testing Period : From Jul.15,2022 to Jul.20,2022

Test Request : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



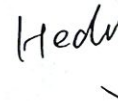
Ruth Lai

Checked by



Thea Ye

Approved by



Hedy Xu



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Summary of Test Results:**TEST REQUEST****CONCLUSION**

Client's Requirement according to the California Proposition 65

(1) Total Lead (Pb)	PASS
(2) Phthalates (DBP, BBP, DEHP, DINP, DNHP, DIDP)	PASS

PASS = Comply with the requirement of client

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Test Material(s) List

Material No.	Description (Location)	Remark
1	Pink plastic	/
2	Green plastic	/
3	Blue plastic	/
4	Orange plastic	/
5	White plastic	/
6	Color paper	/

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Test Result(s):

(1) Total Lead (Pb)

Total Lead Content (In paint and other similar surface-coating)

Test method: With reference to CPSC-CH-E1003-09.1, by acid digestion and analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrometer (AAS).

Material No.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
6	10	90	N.D.	PASS

Total Lead Content (In Substrate)

Test method: With reference to

Metal - CPSC-CH-E1001-08.3

Nonmetal - CPSC-CH-E1002-08.3, by acid digestion and analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrometer (AAS).

Material No.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	10	100	N.D.	PASS
2	10	100	N.D.	PASS
3	10	100	N.D.	PASS
4	10	100	N.D.	PASS
5	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. MDL = method detection limit.
 3. N.D.=not detected (<MDL).

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(2) Phthalates (DBP, BBP, DEHP, DINP, DNHP, DIDP)

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

Test Item	CAS No.	Unit	MDL	Limit	Test Result
					14+15+16
Dibutylphthalate (DBP)	84-74-2	mg/kg	20	1000	N.D.
Butylbenzylphthalate (BBP)	85-68-7	mg/kg	20	1000	N.D.
Di (2-ethylhexyl)phthalate (DEHP)	117-81-7	mg/kg	20	1000	N.D.
Di-iso-nonylphthalate (DINP)	68515-48-0 28553-12-0	mg/kg	40	1000	N.D.
Di-n-Hexyl phthalate (DNHP)	84-75-3	mg/kg	20	1000	N.D.
Diisodecyl-o-phthalate (DIDP)	26761-40-0 68515-49-1	mg/kg	40	1000	N.D.
Conclusion					PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. MDL = method detection limit.
 3. N.D.=not detected (<MDL).

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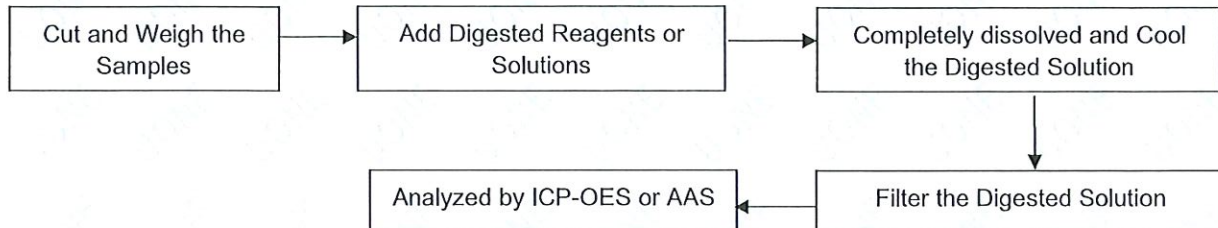
Report No.: U05101220720008-1E

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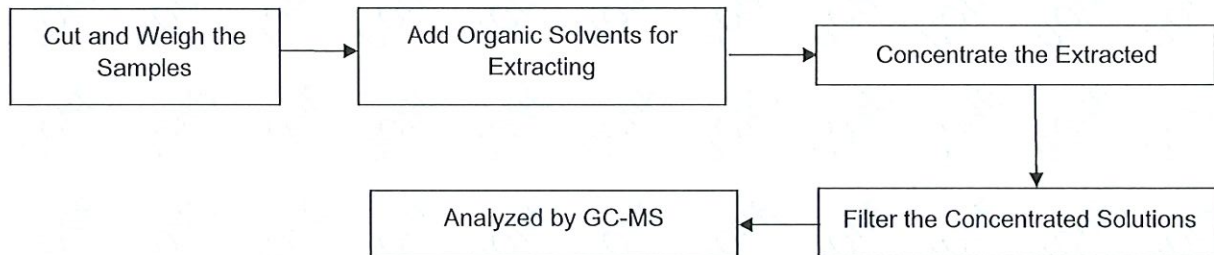
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Test Process Flow

1. Lead



2. Phthalates



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Photo(s) of Sample:

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Applicant: WELL-MART INDUSTRIAL CO., LTD.

Contact information: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE

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

Sample Description : BUBBLE BATON STICK 14 IN,
Item No. : G160300
Sample Received Date : Jul.15,2022
Testing Period : From Jul.15,2022 to Jul.20,2022
Test Request : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



Ruth Lai

Checked by



Thea Ye

Approved by



Hedy Xu



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Summary of Test Results (Tested parts are required partially by client):

TEST REQUEST**CONCLUSION**

U.S. Consumer Product Safety Improvement Act 2008 (CPSIA) Title I , Section 101

(1) Total Lead (Pb) content

PASS

U.S. Consumer Product Safety Improvement Act 2008 (CPSIA) Title I , Section 108

(2) Phthalates (DEHP, DBP, BBP, DINP, DIBP, DPENP, DHEXP, DCHP) content

PASS
.....

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Item No.: G160300

Test Material(s) List

Material No.	Description (Location)	Remark
1	Pink plastic	/
2	Green plastic	/
3	Blue plastic	/
4	Orange plastic	/
5	White plastic	/
6	Color paper	/

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Test Result(s):

(1) Total Lead (Pb) content

Total Lead Content (In paint and other similar surface-coating)

Test method: With reference to CPSC-CH-E1003-09.1, by acid digestion and analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrometer (AAS).

Material No.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
6	10	90	N.D.	PASS

Total Lead (Pb) content (In substrate)

Test Method: With reference to

Metal - CPSC-CH-E1001-08.3,

Nonmetal - CPSC-CH-E1002-08.3, analyzed by acid digestion and analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrometer (AAS).

Material No.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	10	100	N.D.	PASS
2	10	100	N.D.	PASS
3	10	100	N.D.	PASS
4	10	100	N.D.	PASS
5	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = method detection limit.

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(2) Phthalates (DEHP, DBP, BBP, DINP, DIBP, DCHP, DPENP, DHEXP)

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

Substances	CAS No.	MDL (%)	Limit (%)	Result (%)
				14+15+16
Diocetyl 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. MDL = method detection limit.
 3. N.D.=not detected (<MDL).

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Photo(s) of Sample:

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Date: Jul .20 ,2022

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Applicant: WELL-MART INDUSTRIAL CO., LTD.

Contact information: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE

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

Sample Name : BUBBLE BATON STICK 14 IN,
 Model No. : G160300
 Packaging Provided : No
 Labeled Age Grading : 3+
 Requested Age Grading : 3+
 Age Group Applied in Testing : 3+
 Sample Received Date : Jul.15,2022
 Testing Period : From Jul.15,2022 to Jul.20,2022
 Test Request : Please refer to next page(s).
 Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by

Ruth Lai

Checked by

Thea Ye

Approved by

Hedy Xu/ Eric Yang

Remark:Hedy (Chemistry field) + Eric (Physical field)

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Summary of Test Results (Tested parts are required partially by client):

TEST REQUEST**CONCLUSION**

U.S. Federal Hazardous Substances Act (FHSA) CPSC

(1)	Safety Aspects Related to Mechanical and Physical Properties	PASS
(2)	CPSC 16 CFR 1500.44 - Flammability of Solids	PASS
(3)	CPSC 16 CFR 1303 - Total Lead (Pb) content	PASS
(4)	Consumer Product Safety Improvement Act of 2008 on Tracking labels for children's products	PASS

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Item No.: G160300

Test Material(s) List

Material No.	Description (Location)	Remark
1	Pink plastic	/
2	Green plastic	/
3	Blue plastic	/
4	Orange plastic	/
5	White plastic	/
6	Color paper	/

Test Result(s):

(1) CPSC- Safety Aspects Related to Mechanical and Physical Properties

Appropriate Age Grade: Over 3 years old

Testing Parameters	Test Methods	Requirement	Result
Sharp Points	CPSC 16 CFR 1500.48	Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after the use and abuse test.	PASS
Sharp Edges	CPSC 16 CFR 1500.49	Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse test.	PASS
Small Parts	CPSC 16 CFR 1501	Items intended for children under 36 months (3years) of age shall not include removable, liberated components, or fragments of products before or after use and abuse that are small enough (without being compressed) to fit entirely within the small parts cylinder.	NA

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Use and abuse testing (16 CFR 1500.50-53):

Applicable section	Description	Test Condition
16 CFR 1500.50	Normal use testing	
16 CFR 1500.50	Abuse testing	
16 CFR 1500.53(b)	Impact Test	4×3ft
16 CFR 1500.53(e)	Torque test	4in.lbf
16 CFR 1500.53(f)	Tension test	15lbf
16 CFR 1500.53(g)	Compression test	NA
16 CFR 1500.52(c)	Bite test	NA
16 CFR 1500.52(d)	Flexure test	NA

Note: NA = Not Applicable.

(2) Flammability of Solids(CPSC 16 CFR 1500.44)

Sample	Burn Rate (in./sec.)	Limit(in./sec.)
Toy	0.03	0.1

Note: 1. All styles of submitted sample(s) (and its accessories) was/were tested, the above result only showed the most severe burn rate.

(3) Total Lead content

Test Method: With reference to Coating - CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	10	90	N.D.	PASS
2	10	90	N.D.	PASS
3	10	90	N.D.	PASS
4	10	90	N.D.	PASS
5	10	90	N.D.	PASS
6	10	90	N.D.	PASS

Note: 1. mg/kg = milligram per kilogram (ppm).

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- 2. N.D. = Not Detected (< MDL).
- 3. MDL = method detection limit.

(4) Consumer Product Safety Improvement Act of 2008 on Tracking labels for children’s products

Test Item	Test Method	Requirement	Result
Tracking labels for children’s products	Consumer Product Safety Improvement Act of 2008	A permanent and distinguishing mark on the product and its packaging, to the extent practicable, enabling the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.	Comply with the requirement

Photo(s) of Sample:



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Applicant: WELL-MART INDUSTRIAL CO., LTD.

Contact information: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE

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

Sample Description : BUBBLE BATON STICK 14 IN,
 Item No. : G160300
 Battery : /
 Packaging Provided : /
 Labeled Age Grading : 3+
 Requested Age Grading : 3+
 Age Group Applied in Testing : 3+
 Sample Received Date : Jul.15,2022
 Testing Period : From Jul.15,2022 to Jul.20,2022
 Test Request : Please refer to next page(s).
 Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



Ruth Lai

Checked by



Thea Ye

Approved by



Hedy Xu/ Eric Yang



Remark:Hedy (Chemistry field) + Eric (Physical field)

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Summary of Test Results(Tested parts are required partially by client):

TEST REQUEST**CONCLUSION**

ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety

(1)	Mechanical and Physical Properties	PASS
(2)	Flammability	PASS
(3)	Total Lead content in paint and surface coating	PASS
(4)	Total Lead content in substrate material	PASS
(5)	Soluble Heavy Metals content in paint and surface coating	PASS
(6)	Soluble Heavy Metals content in substrate material	PASS

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Item No.: G160300

Test Material(s) List

Material No.	Description (Location)	Remark
1	Pink plastic	/
2	Green plastic	/
3	Blue plastic	/
4	Orange plastic	/
5	White plastic	/
6	Color paper	/

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Test Result(s):

(1) Mechanical and Physical Properties – ASTM F963-17

Section	Test Item	Assessment
4.1	Material Quality	PASS
4.3.7	Stuffing Materials	NA
4.4	Electrical/Thermal Energy	NA
4.5	Sound-Producing Toys	NA
4.6	Small Objects	NA
4.6.1	Toys that are intended for children under 36 months of age	NA
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	NA
4.9	Accessible Points	PASS
4.10	Wires or Rods	NA
4.11	Nails and Fasteners	NA
4.12	Plastic film	NA
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 <36M	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	PASS
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectiles Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA

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Section	Test Item	Assessment
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	NA
4.25.1	Battery marking	NA
4.25.2	Maximum allowable direct current potential	NA
4.25.3	Design for battery-operated toys	NA
4.25.4	Accessible batteries	NA
4.25.5	Accessible batteries that can fit completely within small part cylinder	NA
4.25.6	Isolation of batteries of different types or capacities	NA
4.25.7	Temperature of battery surface	NA
4.25.8	Temperature of battery surface or combustion hazard after normal use and abuse test	NA
4.25.9	Instruction requirement	PASS
4.25.10	Battery-powered ride on toys	NA
4.25.11	Toys that Contain Secondary Cells or Secondary Batteries	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 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

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Section	Test Item	Assessment
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Safety Labeling Requirements	PASS
5.1	Federal Government Requirements	PASS
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	PASS
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.5.1	Age Grading	NA
5.5.2	Safety Labeling	NA
5.6	Mobiles	NA
5.7	Stroller and Carriage Toys	NA
5.8	Toys Intended to be Assembled by an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges and Sharp Points (4-8yrs)	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NA
5.12	Toy Caps	NA
5.13	Art Materials	NA
5.14	Electric Toys	NA
5.15	Battery-Operated Toys	NA
5.16	Promotional Materials	NA
5.17	Magnets	NA
6	Instructional literature	NA
6.1	Definition and Description	NA
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA
6.4	Toys Intended to be Assembled by an Adult	NA

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Section	Test Item	Assessment
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
7	Producer's Markings	PASS
7.1	Producer's Markings	PASS
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toy Chests	NA
8.5	Normal Use Testing	PASS
8.5.1	Washable Test	NA
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.10	Compression Test	NA
8.11	Test for Tire Removal and snap-in wheel and axle assembly removal	NA
8.12	Flexure Test	NA
8.13	Test for Mouth-Actuated Toys and Mouth-Actuated Projectile Toys	NA
8.14	Projectiles	NA
8.15	Test for Stability of Ride-on Toys or Toy Seats	NA
8.16	Tension Test for Pompoms	NA
8.17	Stalled Motor Test for Battery-operated Toys	NA
8.18	Tests for Battery-Powered Ride-on Toys	NA
8.19	Tests for Toys that Contain Secondary Cells or Batteries	NA
8.20	Tests for Toys Which Produce Noise	NA
8.21	Dynamic Strength Test for Wheeled Ride-on Toys	NA
8.22	Plastic Film Thickness	NA
8.23	Test for Loops and Cords	NA

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Section	Test Item	Assessment
8.24	Yoyo Elastic Tether Toy Test Methods	NA
8.25	Magnet Test Methods	NA
8.26	Test Methods for Locking Mechanisms or Other Means	NA
8.27	Test for Toy Chest Lids and Closures	NA
8.28	Test for Overload of Ride-on Toys and Toy Seats	NA
8.29	Stuffing Materials Evaluation	NA
8.30	Expanding Materials Test Method	NA

Remark: NA = Not applicable

(2) Flammability – ASTM F963-17 Section 4.2

Section	Test Item	Assessment
4.2	Flammability	PASS See Note

Note: Flammability of Solids and Soft Toys – ASTM F963-17(A5)

Sample	Burn Rate (in./sec.)	Limit (in./sec.)
Toy	0.03	0.1

Remark: 1. All styles of submitted sample(s) (and its accessories) was/were tested, the above result only showed the most severe burn rate.

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(3) Total Lead content in paint and surface coating - ASTM F963-17 Section 4.3.5.1

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.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
6	10	90	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = method detection limit.

(4) 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.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	10	100	N.D.	PASS
2	10	100	N.D.	PASS
3	10	100	N.D.	PASS
4	10	100	N.D.	PASS
5	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = method detection limit.

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(5) Soluble Heavy Metals content in paint and surface coating - ASTM F963-17 Section 4.3.5.1

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	
MDL (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
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = method detection 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

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(6) 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	
MDL (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
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = method detection 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

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Photo(s) of Sample:

*****End of Report*****

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