Test Report

Report No.: LST24082005EN **Date:** Aug. 21, 2024 Page 1 of 19

Applicant: One For Fun Limited

Address: 3-5 Cambuslang Way, Gateway Office Park,Cambuslang, Glasgow, G32 8ND

The following sample(s) information and test item(s) were submitted and identified by/on behalf of the applicant

Sample Name:	Slime Surprise Vending Machine (6Balls)
Sample Model:	SV22038
Labeled age group:	5+
Age grading for testing:	Over 3 years old
Applicant's specified age group for testing:	Over 3 years old
Sample Receiving Date:	Aug. 01, 2024
Testing Period:	Aug. 01, 2024 to Aug. 06, 2024

**********FOR FURTHER DETAILS,PLEASE REFER TO THE FOLLOWING PAGE(S)**********

Signed for and on behalf of LST

Rory / Technical Manager

Signed for and on behalf of LST

Davy / Lab supervisor

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Test Report

Summary of Test Result(s):

No.	Test Sample	Test Requested	Result(s)
1	Submitted samples	EN 71 Part 1:2014+A1:2018,European Standard for “Safety of toys” - Physical and Mechanical Properties	PASS
2	Submitted samples	EN 71 Part 2:2020,European Standard for “Safety of toys” - Flammability	PASS
3	Tested materials of submitted samples	European Directive 2009/48/EC and its subsequent amendments and EN 71-3:2019+A1:2021 - Migration of certain elements	PASS
4	Tested materials of submitted samples	Annex XVII items 23 of the REACH Regulation (EC) No 1907/2006 & commission regulation(EU) No.494/2011 & amended (EU) No. 835/2012 & (EU) No 217/2016 - Cadmium content	PASS
5	Tested materials of submitted samples	Annex XVII items 51&52 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009&(EU) 2018/2005 - Phthalates	PASS
6	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) content in accessible substrate materials	PASS
7	Tested materials of submitted samples	California Proposition 65, Alameda Superior Court, Case No. RG07356892 - Total Lead(Pb) content	PASS
8	Tested materials of submitted samples	ASTM F963-23 Section 4.3.5.2 - Total Lead (Pb) content in substrate material	PASS
9	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
10	Tested materials of submitted samples	California AB1108 and California Proposition 65, Sacramento Superior Court, Case No. BG07350969 - Phthalates	PASS
11	Tested materials of submitted samples	ASTM F963-23 - Soluble Heavy Metals content	PASS
12	Submitted samples	ASTM F963-23 - Physical and Mechanical Properties	PASS
13	Submitted samples	ASTM F963-23 - Flammability	PASS

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Sample Description

Material No.	Component Description	Location	Remark
01	Green plastic	Shell of ball	A
02	Purple slime	Slime	
03	Transparent plastic	Shell of ball	B
04	Green slime	Slime	
05	Blue plastic	Shell of ball	C
06	Red slime	Slime	
07	Yellow plastic	Shell of ball	D
08	Pink slime	Slime	
09	Pink plastic	Shell of ball	E
10	Blue slime	Slime	
11	Purple plastic	Shell of ball	F
12	Orange slime	Slime	
13	Toy suit	Toy suit entirety	--

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Test Report

Photo of sample

24082005

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Test Result(s):

EN 71 Part 1:2014+A1:2018 - Mechanical and Physical Test

Section	Testing Items	Assessment
		13
4	General requirements	
4.1	Material cleanliness	PASS
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	PASS
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Coustumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	

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5.1	General requirements:	NA
5.2	Soft-filled toys and soft-filled parts of toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibers	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	PASS
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquids-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA

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7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Note: 1. NA = Not Applicable
2. NR = Not Requested

EN 71 Part 2:2020 - Flammability

Section	Testing Items	Assessment
		13
4.1	General requirements	PASS
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

Note: 1. NA = Not Applicable.

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EN 71-3:2019+A1:2021 - Migration of Certain Elements

Method: General elements,with reference to EN 71-3:2019+A1:2021, analyzed by Inductively coupled plasma mass spectrometer (ICP-MS) .

Test Item(s)	Result (mg/kg)					
	01	02	03	04	05	06
Category Type	III	II	III	II	III	II
Extractable Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Boron (B)	N.D.	246	N.D.	215	N.D.	202
Extractable Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Tin (Sn) [1#]	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Chromium(Cr) [2#]	0.154	0.032	0.111	0.041	0.072	0.019
Extractable Organic Tin [1#]	/	/	/	/	/	/
Extractable Chromium (III) (Cr III) [3#]	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Chromium (VI) (Cr VI) [2#]	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion(s)	PASS	PASS	PASS	PASS	PASS	PASS

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Test Item(s)	Result (mg/kg)					
	07	08	09	10	11	12
Category Type	III	II	III	II	III	II
Extractable Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Boron (B)	N.D.	225	N.D.	228	N.D.	217
Extractable Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Tin (Sn) 1#	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Chromium(Cr) 2#	0.193	0.025	0.089	0.040	0.436	0.021
Extractable Organic Tin 1#	/	/	/	/	/	/
Extractable Chromium (III) (Cr III) 3#	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Extractable Chromium (VI) (Cr VI) 2#	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion(s)	PASS	PASS	PASS	PASS	PASS	PASS

Note:

1. mg/kg = milligram per kilogram
2. MDL = Method Detection Limit
3. N.D. = Not Detected, less than MDL
4. 1# - Result of Organic Tin is calculated by assuming the extractable Tin content is wholly contributed from tributyltin (TBT) cation unless further specified. If migration of total tin were not detected, Extractable Organic Tin were considered not detected; Otherwise, Extractable Organic Tin were verified by below method: BS EN 71-3:2019+A1:2021 Annex G, analyzed by GC-MS.
5. 2# - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI). Otherwise, Extractable Chromium (VI) were verified by below method: BS EN 71-3:2019+A1:2021 Annex F, analyzed by IC-ICP-MS.

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6. 3# - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

Limited Value for migration of certain elements:

Test Item(s)	Limited Value(mg/kg)					
	Category I		Category II		Category III	
	MDL	Limit	MDL	Limit	MDL	Limit
Extractable Lead (Pb)	0.2	2.0	0.2	0.5	5	23
Extractable Antimony (Sb)	1	45	1	11.3	5	560
Extractable Arsenic (As)	0.2	3.8	0.2	0.9	5	47
Extractable Barium (Ba)	10	1500	10	375	50	18750
Extractable Cadmium (Cd)	0.1	1.3	0.1	0.3	1	17
Extractable Mercury (Hg)	0.5	7.5	0.5	1.9	5	94
Extractable Selenium (Se)	1	37.5	1	9.4	5	460
Extractable Boron (B)	10	1200	10	300	50	15000
Extractable Cobalt (Co)	0.5	10.5	0.5	2.6	5	130
Extractable Manganese (Mn)	10	1200	10	300	50	15000
Extractable Strontium (Sr)	10	4500	10	1125	50	56000
Extractable Zinc (Zn)	10	3750	10	938	50	46000
Extractable Copper (Cu)	10	622.5	10	156	50	7700
Extractable Aluminum (Al)	10	2250	10	560	50	28130
Extractable Nickel (Ni)	2	75	2	18.8	5	930
Extractable Tin (Sn)	0.1	15000	0.1	3750	1	180000
Extractable Organic Tin	0.2	0.9	0.2	0.2	2	12
Extractable Chromium	0.02	-	0.005	-	0.05	-
Extractable Chromium (III) (Cr III)	2	37.5	2	9.4	10	460
Extractable Chromium (VI) (Cr VI)	0.02	0.02	0.005	0.005	0.05	0.053

Note: Category I: dry, brittle, powder-like or pliable toy material
Category II: liquid or sticky toy material
Category III: scraped-off toy material
"-" = Not Regulated

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Test Report

Annex XVII items 23 of the REACH - Cadmium content

Method:With reference to CPSC-CH-E1002-08.3,analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+03+05)▲	100	N.D.	PASS
(02+04+06)▲	100	N.D.	PASS
(07+09+11)▲	100	N.D.	PASS
(08+10+12)▲	100	N.D.	PASS

Note: 1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (< RL).
3. RL (Reporting Limit) = 5 mg/kg.
4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

Annex XVII items 51&52 of the REACH - Phthalates

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

Substances	DBP	BBP	DEHP	DIBP	*SUM*	DNOP	DIDP	DINP	*SUM*	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	--	117-84-0	68515-49-1	68515-48-0	--	
Limit (mg/kg)	--	--	--	--	1000	--	--	--	1000	
RL (mg/kg)	50	50	50	50	--	50	100	100	--	
Material No.	Result (mg/kg)									
(01+03+05)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(02+04+06)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(07+09+11)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(08+10+12)▲	N.D.	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 (< RL).
3. RL = Reporting Limit.
4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

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CPSIA - Total Lead(Pb) content of accessible substrate materials

Method:With reference to CPSC-CH-E1002-08.3,analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+03+05)▲	100	N.D.	PASS
(02+04+06)▲	100	N.D.	PASS
(07+09+11)▲	100	N.D.	PASS
(08+10+12)▲	100	N.D.	PASS

Note:
1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (< RL).
3. RL (Reporting Limit) = 10 mg/kg.
4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

CP65, Alameda Superior Court, Case No. RG07356892 - Total Lead(Pb) content

Method:With reference to CPSC-CH-E1002-08.3,analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Material Type	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+03+05)▲	b	100	N.D.	PASS
(02+04+06)▲	b	100	N.D.	PASS
(07+09+11)▲	b	100	N.D.	PASS
(08+10+12)▲	b	100	N.D.	PASS

Material Type:

a. Surface coatings.

b. Substrates.

Note:
1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (< RL).
3. RL (Reporting Limit) = 10 mg/kg.
4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

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ASTM F963-23 Section 4.3.5.2 - Total Lead(Pb) content in substrate material
Method:With reference to CPSC-CH-E1002-08.3,analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	RL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+03+05)▲	10	100	N.D.	PASS
(02+04+06)▲	10	100	N.D.	PASS
(07+09+11)▲	10	100	N.D.	PASS
(08+10+12)▲	10	100	N.D.	PASS

Note: 1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (< RL).
3. RL = Reporting Limit.
4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

CPSIA (16 CFR 1307) - Phthalates
Method: With reference to CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DCHP	DPENP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	68515-48-0	84-75-3	84-69-5	84-61-7	131-18-0	
Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	100	50	50	50	50	
Material No.	Result (mg/kg)								
(01+03+05)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(02+04+06)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(07+09+11)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(08+10+12)▲	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 (< RL).
3. RL = Reporting Limit.
4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

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California AB1108 & CP65 - Phthalates

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

Substances	DBP	BBP	DEHP	DINP	DNOP	DIDP	DnHP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	68515-48-0	117-84-0	68515-49-1	84-75-3	
Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	100	50	100	50	
Material No.	Result (mg/kg)							
(01+03+05)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(02+04+06)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(07+09+11)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(08+10+12)▲	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 (< RL).
3. RL = Reporting Limit.
4. “▲”this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

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Test Report

ASTM F963-2 - Migration of certain elements

Method: With reference to ASTM F963-23 Section 8.3, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Elements	Pb	Cd	Cr	Hg	As	Sb	Ba	Se	Conclusion
Limit for Modeling clay (mg/kg)	90	50	25	25	25	60	250	500	
Limit for Others (mg/kg)	90	75	60	60	25	60	1000	500	
RL (mg/kg)	5	5	5	5	2.5	5	5	5	
Material No.	Result (mg/kg)								
01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
03	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
06	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
07	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
09	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
12	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 (< RL).
3. RL = Reporting Limit.

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Test Report

Mechanical and Physical Properties

Method: ASTM F963-23

Section	Testing Items	Assessment
		13
4	Safety requirements	
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	
4.6.1	Toys 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	PASS
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	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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4.25.1	The toy shall be marked permanently on the battery compartment or on the area immediately adjacent to the battery compartment to show the correct battery polarity using the polarity symbols “+” and “–”.	NA
4.25.2	The maximum allowable direct current potential between any two accessible electrical points is 24 V nominal.	NA
4.25.3	Battery-operated toys shall be designed so that it is not possible to charge any non-rechargeable battery.	NA
4.25.4	Battery Accessibility	NA
4.25.5	Batteries of different types or capacities shall not be mixed within any single electrical circuit.	NA
4.25.6	The surfaces of the batteries shall not achieve temperatures exceeding 71℃	NA
4.25.7	No condition shall occur that would cause the toy to fail the temperature requirements of 4.25.6 or present a combustion hazard as described in 4.25.	NA
4.25.8	Battery-operated toys shall meet the requirements of 6.5 for instructions on safe battery usage. Toys which use non-replaceable batteries as the only source of power are not subject to 6.5.	NA
4.25.9	Battery-powered Ride-on Toys	NA
4.25.10	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 nearly spherical ends	NA
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 Requirement	
5.1	Federal government requirement	PASS

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5.2	Age Grading labeling	PASS
5.3	Safety labeling requirements	PASS
5.4	Aquatic toys	NA
5.5	Crib and playpen toys	NA
5.6	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 or points	NA
5.11	Small objects, small balls, marbles, and balloons	PASS
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	
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
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 Marking	
7.1	Name of the producer or the distributor	PASS
	Address of the producer or the distributor	PASS
7.2	Battery powered ride on toys	NA
7.3	Toy chests	NA
8	Test Methods	
8.5	Normal UseTesting	PASS

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8.7	Impact Tests	PASS
8.8	Torque Tests for Removal of Components	PASS
8.9	Tension Test for Removal of Components	PASS

Note: 1. NA = Not Applicable
2. NR =Not Requested

Flammability

Method: ASTM F963-23 Annex A5

Material No.	Burn Length(inch)	Burn Time(sec.)	Burn Rate(inch/sec.)	Conclusion
13	2.3	60	0.04	PASS

Note: 1.DNI = Did not ignite.
2.IBE = Ignited but self-extinguished before burn-rate could be determined.
3.a) If the burning speed of all samples is less than 0.10 in./s (2.5 mm/s), the test is accepted.
b) If the burning speed of all samples is greater than 0.10in./s (2.5mm/s), but less than 0.15in./s (3.75mm/s), it is accepted but in-depth investigation and research should be considered to take measures to improve performance Measures.
c) If the burning speed of one of the samples is greater than 0.15 in./s (3.75 mm/s), the rejection is measured.
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.

End of Report

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