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玩具婴童用品研究所 (国家玩具检测重点实验室)
TOYS AND JUVENILE PRODUCTS TESTING INSTITUTE (STATE KEY LABORATORY OF TOY TESTING)

No. :0524004672
Date :September 29, 2024
Page : 1 of 46

TEST REPORT



APPLICANT:

GUANGZHOU MOETCH CULTURAL & CREATIVE CO., LTD.
No.9 Building, 1918 Industrial Park, Nanbian Road, Haizhu District, Guangzhou City, Guangdong Province, China.

SAMPLE SUBMITTED:

Six set(s) of finished product(s) (see the following page for photo) said to be SANRIO CHARACTERS SCOOTER SERIES FUNNY MOVABLE TOY
- Item No.: 24WDL-002

SAMPLE RECEIVED ON: Sep. 19, 2024
Sep. 29, 2024 (reception of pertinent package)

TEST PERIOD: Sep. 19, 2024 -- Sep. 25, 2024

RESULTS: Please refer to result page(s).

(To be continued)

报告批准人 Approved signatory

陈阳 CHEN Yang



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SUMMARY

	<u>Test Conducted</u>	<u>Assessment</u>	<u>Sample</u>
(1)	European Standard on Safety of Toys: EN 71-1:2014+A1:2018 Mechanical and physical properties	Tested Item(s) Pass	Tested Sample(s)
	EN 71-2:2020 Flammability	Tested Item(s) Pass	Tested Sample(s)
	EN71-3:2019+A1:2021 Migration of Certain Elements	Tested Item(s) Pass	Tested Sample(s)
(2)	Regulation (EC) No 1907/2006 (REACH) and (EU) No 217/2016, Annex XVII, Entry 23 - Cadmium and its compounds	Tested Item(s) Pass	Tested Sample(s)
(3)	Regulation (EC) No 1907/2006 (REACH) and (EU) No 1272/2013,(EU) No 2015/326, Annex XVII, Entry 50 - Polycyclic aromatic hydrocarbons (PAHs)	Tested Item(s) Pass	Tested Sample(s)
(4)	Regulation (EC) No 1907/2006 (REACH) Including the revision of regulation 2018/2005(EU) and (EC) No 552/2009, Annex XVII, Entry 51 and 52 - Phthalates	Tested Item(s) Pass	Tested Sample(s)
(5)	ASTM F963-23 Standard Consumer Safety Specification on Toy Safety - Mechanical and Physical Properties and Flammability. (excluding clause 5.1.2)	Tested Item(s) Pass	Tested Sample(s)
	- Flammability	Tested Item(s) Pass	Tested Sample(s)
	- Clause 4.3.5: Heavy Elements	Tested Item(s) Pass	Tested Sample(s)
	- Clause 4.3.8: Phthalates	Tested Item(s) Pass	Tested Sample(s)
(6)	CPSIA 2008 (Public Law 110-314) and its amending Act (Public Law 112-28)Title I -Section 101. Children's products - containing Lead; Lead paint rule	Tested Item(s) Pass	Tested Sample(s)
(7)	CPSIA 2008 (Public Law 110-314) and its amending Act (Public Law 112-28), Title I Section 108 and 16 CFR part 1307 - Phthalates	Tested Item(s) Pass	Tested Sample(s)
(8)	Children's toys and child care article requirement of Safe Drinking Water and Toxic Enforcement Act of 1986 (California's Proposition 65) - Total Lead content	Tested Item(s) Pass	Tested Sample(s)
(9)	Children's toys and child care article requirement of Safe Drinking Water and Toxic Enforcement Act of 1986 (California's Proposition 65) - Phthalates#	Tested Item(s) Pass	Tested Sample(s)

#: The DnHP test is not within the laboratory's accreditation scope of CNAS.

REMARK:

- 1.Equal mixing test was conducted where appropriate, as requested by the applicant. See result for details.
2. As requested by the applicant, clause 5.1.2 of ASTM F963-23 was not conducted.

(To be continued)

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Photo of the submitted sample(s)



(To be continued)

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RESULTS:

(1) European Standard on Safety of Toys:

I. EN71 Part 1:2014+A1:2018 Mechanical and Physical Properties.

Labeled Age Grading: >15 years old

Applicant's Specified Testing Age Grading: 3+

Testing Age Grading:

0-6 months

6-18 months

18-36 months

3-14 years old

Others:

Clause	Test Item	Assessment
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	---
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA

(To be continued)

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TEST REPORT

RESULTS:

Clause	Test Item	Assessment
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	---
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	---
4.15.1	Toys propelled by a child or by other means	---
4.15.1.2	Warnings and instructions for use	NA
4.15.1.3	Strength	NA
4.15.1.4	Stability	NA
4.15.1.5	Braking	NA
4.15.1.6	Transmission and wheel arrangement	NA
4.15.1.7	Adjustable seat pillar and handlebar stem minimum insertion marks	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	---
4.15.2.2	Warnings and instructions for use	NA
4.15.2.3	Braking requirements	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.15.5	Toy scooters	---
4.15.5.2	Warnings and instructions for use	NA
4.15.5.3	Strength	NA
4.15.5.4	Adjustable and folding steering tubes	NA
4.15.5.5	Braking	NA
4.15.5.6	Wheel size	NA
4.15.5.7	Protruding parts	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	---
4.17.2	All projectiles	---
4.17.2.1	Leading parts	NA
4.17.2.2	Foam shaft projectiles with a suction cup as a leading part	NA
4.17.2.3	Other types of projectile with a suction cup as a leading part	NA
4.17.3	Projectile toys with stored energy	---
4.17.3.1	Energy limitation	NA
4.17.3.2	Edges	NA
4.17.3.3	Projectiles with a protective cap, cover or tip	NA
4.17.3.4	Impact resistance	NA
4.17.3.5	Improvised projectiles	NA
4.17.4	Certain projectile toys without stored energy	---
4.17.4.1	Darts	NA
4.17.4.2	Bows and arrows	NA
4.17.4.3	Toy catapults and projectiles propelled by an elastic band	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.17.4.4	Projectile toys without stored energy where the discharge mechanism can store energy,only when held in place by the user	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	---
4.20.2	Emission sound pressure level limits	---
4.20.2.2	Close-to-the-ear toys	NA
4.20.2.3	Table-top or floor toys	NA
4.20.2.4	Hand-held toys	NA
4.20.2.5	Toys using headphones or earphones	NA
4.20.2.6	Rattles	NA
4.20.2.7	Squeeze toys	NA
4.20.2.8	Pull-along or push toys	NA
4.20.2.9	Percussion toys	NA
4.20.2.10	Wind toys	NA
4.20.2.11	Cap-firing toys	NA
4.20.2.12	Voice toys	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	---
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	---
	Cord that becomes separated from the toy disguise costume after testing	NA
	Applicable requirements of EN 14682	NA
4.27	Flying toys	---
4.27.1	General	NA
4.27.2	Rotors and propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
5	Toys intended for children under 36 months	---
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	---
5.4.2	Cords and chains in toys intended for children under 18 months	---
5.4.2.1	Cords and chains with the potential to tangle	NA
5.4.2.2	Two cords or chains with the potential to tangle	NA
5.4.2.3	Separated cords and chains	NA
5.4.2.4	Free length of cords and chains	NA
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	---
5.4.3.1	Cords and chains with the potential to tangle	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
5.4.3.2	Two cords or chains with the potential to tangle	NA
5.4.3.3	Separated cords and chains	NA
5.4.3.4	Free length of cords and chains	NA
5.4.3.5	Cords and chains not suitable for children under 18 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	---
5.4.9.1	Toys intended to be strung across a cradle, cot or perambulator	NA
5.4.9.2	Toys otherwise intended to be attached to a cradle, cot or perambulator	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 fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	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	NA
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	Projectile toys	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	---
7.10.1	Roller skates, inline skates and skateboards	NA
7.10.2	Ride-on toys without a braking device	NA
7.10.3	Electrically-driven ride-on toys	NA
7.10.4	Instructions for use	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
7.15	Toy bicycles	NA
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 300 mm 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	---
7.25.1	Flying toys	NA
7.25.2	Remote controlled flying toys	NA
7.26	Improvised projectiles	NA

(To be continued)

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TEST REPORT

RESULTS:

II. EN71 Part 2:2020 Flammability.

Clause	Test Item	Assessment
4.1	General requirements The following materials shall not be present in toys: — celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games; — highly flammable solids; — materials with a piled surface which produce surface flash when a flame is applied to the tested material; — flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.	Pass
4.2	Toys to be worn on the head	---
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), but excluding those items covered by 4.3	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

Remark: NA=Not applicable.

(To be continued)

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TEST REPORT

RESULTS:

III. EN 71- 3:2019+A1:2021 Safety of toys Part 3: Migration of Certain Elements Assessment: Tested specimen pass

General elements, Chromium (III), Chromium (VI) and other elements screening

Method: As per EN 71- 3:2019+A1:2021 Annex E and Annex F, elements determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) and liquid chromatograph coupled with Inductively Coupled Plasma-Mass Spectrometry (LC-ICP-MS).

Result in mg/kg (for scraped- off toy materials)

Element	Limit	RL	Specimen No.										
			1	2	3	4	5	6	7	8	9	10	
Aluminium(Al)	28130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony(Sb)	560	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic(As)	47	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium(Ba)	18750	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron(B)	15000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (III) (CrIII)	460	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (VI) (CrVI)	0.053	0.030	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt(Co)	130	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper(Cu)	7700	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead(Pb)	23	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese(Mn)	15000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury(Hg)	94	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel(Ni)	930	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Strontium(Sr)	56000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tin(Sn)	180000	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic tin(Sn)#	12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc(Zn)	46000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(To be continued)

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TEST REPORT

RESULTS:

Result in mg/kg (for scraped- off toy materials)

Element	Limit	RL	Specimen No.									
			11	12	13	14	15	16	17	18	19	20
Aluminium(Al)	28130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony(Sb)	560	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic(As)	47	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium(Ba)	18750	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron(B)	15000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (III) (CrIII)	460	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (VI) (CrVI)	0.053	0.030	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt(Co)	130	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper(Cu)	7700	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead(Pb)	23	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese(Mn)	15000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury(Hg)	94	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel(Ni)	930	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Strontium(Sr)	56000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tin(Sn)	180000	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic tin(Sn)#	12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc(Zn)	46000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(To be continued)

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TEST REPORT

RESULTS:

Result in mg/kg (for scraped- off toy materials)

Element	Limit	RL	Specimen No.							
			21	22	23	24	25	26	27	28
Aluminium(Al)	28130	250	ND	ND	ND	ND	ND	ND	ND	ND
Antimony(Sb)	560	5	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic(As)	47	5	ND	ND	ND	ND	ND	ND	ND	ND
Barium(Ba)	18750	5	ND	ND	ND	ND	ND	ND	ND	ND
Boron(B)	15000	250	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	5	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (III) (CrIII)	460	5	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (VI) (CrVI)	0.053	0.030	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt(Co)	130	10	ND	ND	ND	ND	ND	ND	ND	ND
Copper(Cu)	7700	50	ND	ND	ND	ND	ND	ND	ND	ND
Lead(Pb)	23	3	ND	ND	ND	ND	ND	ND	ND	ND
Manganese(Mn)	15000	250	ND	ND	ND	ND	ND	ND	ND	ND
Mercury(Hg)	94	5	ND	ND	ND	ND	ND	ND	ND	ND
Nickel(Ni)	930	10	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	5	ND	ND	ND	ND	ND	ND	ND	ND
Strontium(Sr)	56000	250	ND	ND	ND	ND	ND	ND	ND	ND
Tin(Sn)	180000	2.5	ND	ND	ND	ND	ND	ND	ND	ND
Organic tin(Sn)#	12	10	ND	ND	ND	ND	ND	ND	ND	ND
Zinc(Zn)	46000	250	ND	ND	ND	ND	ND	ND	ND	ND

mg/kg = milligram per kilogram

= The reported value was the potential maximum content calculated by 2.44 times of soluble tin content. If the result exceeded the limit, further confirmation of organic tin test by GC-MS has to be conducted.

ND = Not Detected (less than RL), RL=Report Limit

Remark: According to the Directive (EU) 2019/1922 amending Directive 2009/48/EC, the limit of aluminum for scraped- off toy materials (Category III) is 28130 mg/kg after 20 May 2021.

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)(specimen weight =0.0462g, the result was calculated by 0.1g.)
2. Blue coating on plastic(handle) (Cinnamoroll)(specimen weight =0.0257g, the result was calculated by 0.1g.)
3. Multicolor coatings on plastic(figure) (Cinnamoroll)(specimen weight =0.0297g, the result was calculated by 0.1g.)
4. Purple coating on plastic(handle) (Kuromi)(specimen weight =0.0286g, the result was calculated by 0.1g.)
5. Multicolor coatings on plastic(figure) (Kuromi)(specimen weight =0.0327g, the result was calculated by 0.1g.)
6. Multicolor coatings on plastic(figure) (My Melody)(specimen weight =0.0495g, the result was calculated by 0.1g.)
7. Multicolor coatings on plastic(figure) (Hello Kitty)(specimen weight =0.0218g, the result was calculated by 0.1g.)
8. Orange coating on plastic(handle) (Pompompurin)(specimen weight =0.0175g, the result was calculated by 0.1g.)
9. Multicolor coatings on plastic(figure) (Pompompurin)(specimen weight =0.0234g, the result was calculated by 0.1g.)
10. Multicolor coatings on plastic(figure) (Hangyodon)(specimen weight =0.0660g, the result was calculated by 0.1g.)
11. Sky blue coating on plastic(handle) (Hangyodon)(specimen weight =0.0342g, the result was calculated by 0.1g.)
12. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)
13. Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)
14. Blue plastic(Cinnamoroll)
15. Bright white plastic(hub) (all styles)
16. Black plastic(all styles)
17. Black soft plastic(tyre) (all styles)
18. Light grey plastic(frame) (Kuromi, Pompompurin)
19. Purple plastic(Kuromi)
20. Pink plastic(My Melody, Hello Kitty)
21. Bright blue plastic(My Melody)
22. Bright pink plastic(handle) (all styles)

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

- 23. Dark pink plastic(Hello Kitty)
- 24. Yellow plastic(figure) (Pompompurin)
- 25. Dark yellow plastic(figure) (Pompompurin)
- 26. Orange plastic(Pompompurin)
- 27. Aqua plastic(Hangyodon)
- 28. Light blue plastic(Hangyodon)

(To be continued)

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TEST REPORT

RESULTS:

(2) Analyze the content of Cadmium and its compounds according to entry 23 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) and its amending Regulation (EU) No 217/2016.

Method:

For plastic materials — as per EN 1122:2001-Method B

For coatings — with reference to CPSC-CH-E1003-09.1

For metals — with reference to CPSC-CH-E1001-08.3

For other materials — with reference to CPSC-CH-E1002-08.3

Element determination by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Assessment: Tested specimen pass

Result in % (by weight)

Element	Tot. Cd
Limit	0.01
RL	0.001
Specimen No.	
1	ND
2	ND
3	ND
4	ND
5	ND
6	ND
7	ND
8	ND
9	ND
10	ND
11	ND
12	ND
13	ND
14	ND

Tot. = Total

ND = Not Detected (less than RL), RL = Report Limit

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
2. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
3. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
4. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
5. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
6. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
7. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
8. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
9. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
10. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)
11. Silver color metal(long shaft) (all styles)/silver color metal(shaft of front wheel) (all styles)
12. Silver color metal(shaft of rear wheel) (all styles)/silver color metal(screw) (all styles)/silver color metal(small spring) (all styles)
13. Silver color metal(nail) (all styles)/silver color metal(spring in gear box) (all styles)/silver color metal(shaft of gear) (all styles)
14. Bright orange plastic(frame inside body) (all styles)/ivory plastic(gear, bear box) (all styles)/whitish blue plastic(gear) (all styles)

(To be continued)

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TEST REPORT

RESULTS:

(3) Analyze the content of polycyclic aromatic hydrocarbons (PAHs) of the rubber or plastic components in Toys, including activity toys, and childcare articles, that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, according to entry 50 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) and its amending Regulation (EC) No 552/2009, (EU) No 1272/2013, (EU) No 2015/326, which replaces 2005/69/EC

Method: As per AFPS GS 2019:01 PAK (analyzed by GC-MS)

Assessment: Tested specimen pass

CAS No.	Test Item	Limit	Result in mg/kg					
			1	2	3	4	5	6
56-55-3	Benzo(a)anthracene	0.5	ND	ND	ND	ND	ND	ND
218-01-9	Chrysene	0.5	ND	ND	ND	ND	ND	ND
205-99-2	Benzo(b)fluoranthene	0.5	ND	ND	ND	ND	ND	ND
207-08-9	Benzo(k)fluoranthene	0.5	ND	ND	ND	ND	ND	ND
50-32-8	Benzo(a)pyrene	0.5	ND	ND	ND	ND	ND	ND
53-70-3	Dibenz(a,h)anthracene	0.5	ND	ND	ND	ND	ND	ND
192-97-2	Benzo[e]pyrene	0.5	ND	ND	ND	ND	ND	ND
205-82-3	Benzo[j]fluoranthene	0.5	ND	ND	ND	ND	ND	ND

ND = Not Detected (less than RL), RL = Report Limit, RL=0.1mg/kg

Specimen description:

1. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
2. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
3. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
4. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
5. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
6. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)

(To be continued)

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RESULTS:

(4) Analyze the content of phthalates in the plasticised material in toys and childcare articles according to entry 51 and 52 of Annex XVII, Regulation (EC) No 1907/2006 (REACH) and its amending Regulation (EC) No 552/2009 and (EU)2018/2005, which replaces 2005/84/EC

Method: With reference to ISO 8124-6:2023 method C, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS), quantified by external standard

Assessment: Tested specimen pass

Result in mg/kg

CAS No.	Test Item	Limit	Specimen No.																	
			1	2	3	4	5	6	7	8	9	10								
84-74-2	Dibutyl Phthalate (DBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Benzyl Butyl Phthalate (BBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	Di(2-ethylhexyl) Phthalate (DEHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-69-5	Diisobutyl phthalate(DIBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
--	DBP+BBP+DEHP+DIBP	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28553-12-0	Di-ISO-Nonyl Phthalate (DINP)	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68515-48-0			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-84-0	Di-N-Octyl Phthalate (DNOP)	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26761-40-0	Di-ISO-Decyl Phthalate (DIDP)	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68515-49-1			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
--	DINP+DNOP+DIDP	1000*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected (less than RL), RL = Report Limit, RL= 100mg/kg
1000 mg/kg = 0.1%(m/m)

* = The limit was suitable for the plasticised material in toys and childcare articles which can be placed in the mouth by children.

(To be continued)

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RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
2. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
3. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
4. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
5. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
6. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
7. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
8. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
9. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
10. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)

(To be continued)

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RESULTS:

(5) ASTM F963-23: Standard Consumer Safety Specification for Toy Safety.

I. Mechanical and Physical Properties and Flammability.

Labeled Age Grading: >15 years old

Applicant's Specified Testing: 3+

Testing Age Grading:

0 - 18 months

18 - 36 months

36 - 96 months

96 months and over

Others:

Clause	Test Item	Assessment
4	Safety Requirements	---
4.1	Material Quality	Pass
4.2	Flammability	---
	Flammability of fabrics	NA
	Flammability of solids and soft toys	Pass
4.3	Toxicology	---
4.3.3	Indirect food additives	---
4.3.3.1	Toys in contact with Food	NA
4.3.7	Stuffing Materials	NA
4.4	Electrical/Thermal Energy	NA
4.5	Sound-producing Toys	---
4.5.1	Requirements	---
4.5.1.1	Close-to-the-ear Toys	NA
4.5.1.2	Hand-held Toy	NA
4.5.1.3	Rattles	NA
4.5.1.4	Stationary or Self-propelled Tabletop, Floor, or Crib Toys	NA
4.5.1.5	User-propelled Tabletop, Floor, or Crib Toys	NA
4.5.1.6	Push or Pull Toys	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.5.1.7	Toys Using Explosive Action	NA
4.6	Small Objects	---
4.6.1	Requirement for toys intended for children under 36 months	NA
4.6.2	Mouth-actuated toys	---
4.6.2.1	Requirement for mouth-actuated toys that contain loose objects	NA
4.6.2.2	Projectile toys in which the projectile is launched by the user blowing into the discharge mechanism.	NA
4.6.2.3	Requirement for small objects contained in an inflatable toy	NA
4.6.3	Requirement for toys and games intended for children who are at least three years old(36 months) but less than six years of age(72 months)	NA
4.7	Accessible Edges	---
4.7.1	Requirement for potentially hazardous sharp metal and glass edges	NA
4.7.2	Requirement for hazardous functional sharp edges	NA
4.7.3	Metal Toys	NA
4.7.4	Molded Toys	Pass
4.7.5	Exposed Bolts or Threaded Rods	NA
4.8	Projections	NA
4.8.1	Bath Toy Projections	NA
4.9	Accessible Points	---
4.9.1	Requirement for potentially hazardous sharp points	Pass
4.9.2	Requirement for hazardous functional sharp points	NA
4.9.3	Wood	NA
4.10	Wires or Rods	NA
4.11	Nails and Fasteners	Pass

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	---
4.13.1	Folding Mechanisms	NA
4.13.2	Hinge-line Clearance	NA
4.14	Cords, Straps, and Elastics	---
4.14.1	Cords, Straps, and Elastics in Toys	NA
4.14.2	Self-retracting Pull Cords	NA
4.14.3	Pull Toys	NA
4.14.4	Strings and Lines for Flying Devices	NA
4.14.5	Cords on Toy Bags Intended for Children Up to 18 Months	NA
4.14.6	Ride-on Toys	NA
4.15	Stability and Over-load Requirements	---
4.15.1	Stability of Ride-on Toys and Toy Seats	NA
4.15.2	Sideways Stability Requirements	NA
4.15.3	Fore and Aft Stability	NA
4.15.4	Stability of Stationary Floor Toys	NA
4.15.5	Overload Requirements for Ride-On Toys and Toy Seats	NA
4.15.6	Wheeled Ride-on Toys	NA
4.16	Confined Spaces	---
4.16.1	Ventilation	NA
4.16.2	Closures	NA
4.16.3	Toys that Enclose the Head	NA
4.17	Wheels, Tires, and Axles	Pass
4.18	Holes, Clearance, and Accessibility of Mechanisms	---
4.18.1	Accessible Clearances for Moveable Segments	NA
4.18.2	Circular Holes in Rigid Materials	NA

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.18.3	Chains and Belts	NA
4.18.4	Inaccessibility of Mechanisms	Pass
4.18.5	Winding Keys	NA
4.18.6	Coil Springs	NA
4.19	Simulated Protective Devices (such as helmets, hats, and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	---
4.21.1	All Projectiles	---
4.21.1.1	Projectiles with rigid leading edges	NA
4.21.1.2	Projectiles with a foam shaft and a suction cup	NA
4.21.1.3	Other types of projectiles with a suction cup	NA
4.21.2	Projectile Toys with Stored Energy	---
4.21.2.1	Projectiles launched by discharge mechanisms with stored energy	NA
4.21.2.2	Requirement for projectile that has a kinetic energy that exceeds 0.08 J	NA
4.21.2.3	Requirement for Kinetic Energy Density (KED)	NA
4.21.2.4	Requirement for the resilient leading edge(s) on projectiles	NA
4.21.2.5	Requirement for projectile	NA
4.21.2.6	Requirement for discharge mechanisms	NA
4.21.3	Projectile Toys without Stored Energy	---
4.21.3.1	Mouth actuated projectile toys	NA
4.21.3.2	Requirement for projectile	NA
4.21.3.3	Arrows intended to be launched from a bow (that is, bow and arrow set) that have a kinetic energy greater than 0.08 J	NA
4.21.3.4	Projectiles in the form of an arrow	NA

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RESULTS:

Clause	Test Item	Assessment
4.21.4	Rotors	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-operated Toys	---
4.25.1	The marking requirements of battery polarity, size and voltage	NA
4.25.2	The maximum allowable voltage between any two accessible electrical points	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°C.	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.	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

(To be continued)

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RESULTS:

Clause	Test Item	Assessment
4.32	Certain Toys with Nearly Spherical Ends	---
4.32.1	Requirement for toys intended for children up to the age of 18 months, having a total weight less than 1.1 lb incorporating spherical, hemispherical, or circular flared ends and which are attached to a shaft, handle, or support that has a smaller cross section	NA
4.32.2	Requirement for nail, screw, and bolt shapes that are in toys intended for children between the ages of 18 and 48 months, weigh less than 1.1 lb (0.5 kg) and incorporate spherical or hemispherical ends attached to a shaft or handle	NA
4.32.3	Preschool Play Figures	NA
4.33	Marbles	NA
4.34	Balls	---
4.34.1	Requirement for balls intended for children under 36 months	NA
4.34.2	Requirement for toys containing a loose small ball and intended for children at least 3 years old but less than 8 years of age	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	---
4.38.1	Toys must not contain a loose as-received hazardous magnet or a loose as-received hazardous magnetic component.	NA
4.38.2	Toys shall not liberate a hazardous magnet or a hazardous magnetic component after being tested in accordance with the Magnet Test Methods specified in 8.25	NA
4.38.3	Magnetic/electrical experimental sets intended for children eight years of age and over	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA

(To be continued)

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TEST REPORT

RESULTS:

Clause	Test Item	Assessment
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labeling Requirements	---
5.1	Federal Government Requirements	---
5.1.2	Tracking label	Note
5.2	Age Grading Labeling	Pass
5.3	Safety Labeling Requirements	NA
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 assemble 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 Toy	---
5.14.1	Battery-powered Ride-on Toys	NA
5.14.2	Button or Coin Cell Batteries	NA
5.15	Promotional Materials	NA
5.16	Magnets	NA
6	Instructional Literature	---
6.1	Definition and Description	Pass
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA

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TEST REPORT

RESULTS:

Clause	Test Item	Assessment
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)	NA
7	Producer's Markings	---
7.1	Requirement for the markings of the name and address of the producer or the distributor	Pass
7.2	Battery-powered Ride-On Toys	NA
7.3	Toy Chests	NA

Remark: NA=Not applicable.

Note: As requested by the applicant, this test item was not conducted.

(To be continued)

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TEST REPORT

RESULTS:

II. ASTM F963-23: Standard Consumer Safety Specification for Toy Safety Clause 4.3.5 Heavy Elements

Assessment: Tested specimen pass

Soluble migrated elements and Total Lead

Method: As per ASTM F963-23 8.3.4-8.3.5 and determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Result in mg/kg

Element	Sol.Sb	Sol.As	Sol.Ba	Sol.Cd	Sol.Cr	Sol.Pb	Sol.Hg	Sol.Se	Tot.Pb
Limit for Category A	60	25	1000	75	60	90	60	500	90
Limit for Category B	60	25	1000	75	60	90	60	500	100
Limit for Category C	60	25	250	50	25	90	25	500	100
RL	5	2	5	5	5	5	5	5	10
Specimen No.									
1	ND	ND	ND	ND	ND	ND	ND	ND	--
2	ND	ND	ND	ND	ND	ND	ND	ND	--
3	ND	ND	ND	ND	ND	ND	ND	ND	--
4	ND	ND	ND	ND	ND	ND	ND	ND	--
5	ND	ND	ND	ND	ND	ND	ND	ND	--
6	ND	ND	ND	ND	ND	ND	ND	ND	--
7	ND	ND	ND	ND	ND	ND	ND	ND	--
8	ND	ND	ND	ND	ND	ND	ND	ND	--
9	ND	ND	ND	ND	ND	ND	ND	ND	--
10	ND	ND	ND	ND	ND	ND	ND	ND	--
11	ND	ND	ND	ND	ND	ND	ND	ND	--
12	--	--	--	--	--	--	--	--	ND
13	--	--	--	--	--	--	--	--	ND
14	--	--	--	--	--	--	--	--	ND
15	--	--	--	--	--	--	--	--	ND
16	ND	ND	ND	ND	ND	ND	ND	ND	--

(To be continued)

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TEST REPORT

RESULTS:

Result in mg/kg

Element	Sol.Sb	Sol.As	Sol.Ba	Sol.Cd	Sol.Cr	Sol.Pb	Sol.Hg	Sol.Se	Tot.Pb
Limit for Category A	60	25	1000	75	60	90	60	500	90
Limit for Category B	60	25	1000	75	60	90	60	500	100
Limit for Category C	60	25	250	50	25	90	25	500	100
RL	5	2	5	5	5	5	5	5	10

Specimen No.

17	ND	ND	ND	ND	ND	ND	ND	ND	--
18	ND	ND	ND	ND	ND	ND	ND	ND	--
19	ND	ND	ND	ND	ND	ND	ND	ND	--
20	ND	ND	ND	ND	ND	ND	ND	ND	--
21	ND	ND	ND	ND	ND	ND	ND	ND	--
22	ND	ND	ND	ND	ND	ND	ND	ND	--
23	ND	ND	ND	ND	ND	ND	ND	ND	--
24	ND	ND	ND	ND	ND	ND	ND	ND	--
25	ND	ND	ND	ND	ND	ND	ND	ND	--
26	ND	ND	ND	ND	ND	ND	ND	ND	--
27	ND	ND	ND	ND	ND	ND	ND	ND	--
28	ND	ND	ND	ND	ND	ND	ND	ND	--
29	ND	ND	ND	ND	ND	ND	ND	ND	--
30	ND	ND	ND	ND	ND	ND	ND	ND	--
31	ND	ND	ND	ND	ND	ND	ND	ND	--
32	ND	ND	ND	ND	ND	ND	ND	ND	--
33	--	--	--	--	--	--	--	--	ND
34	--	--	--	--	--	--	--	--	ND
35	--	--	--	--	--	--	--	--	ND
36	--	--	--	--	--	--	--	--	ND
37	--	--	--	--	--	--	--	--	ND

(To be continued)

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TEST REPORT

RESULTS:

Result in mg/kg

Element	Sol.Sb	Sol.As	Sol.Ba	Sol.Cd	Sol.Cr	Sol.Pb	Sol.Hg	Sol.Se	Tot.Pb
Limit for Category A	60	25	1000	75	60	90	60	500	90
Limit for Category B	60	25	1000	75	60	90	60	500	100
Limit for Category C	60	25	250	50	25	90	25	500	100
RL	5	2	5	5	5	5	5	5	10
Specimen No.									
38	--	--	--	--	--	--	--	--	ND
39	--	--	--	--	--	--	--	--	ND

mg/kg = milligram per kilogram

Sol. = Soluble Tot. = Total

ND = Not Detected (less than RL), RL=Report Limit

Category A = Paint and similar surface-coating materials

Category B = Toy substrate materials except modeling clay

Category C = Modeling clay

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)(specimen weight =0.0462g, the result was calculated by 0.1g.)
2. Blue coating on plastic(handle) (Cinnamoroll)(specimen weight =0.0257g, the result was calculated by 0.1g.)
3. Multicolor coatings on plastic(figure) (Cinnamoroll)(specimen weight =0.0297g, the result was calculated by 0.1g.)
4. Purple coating on plastic(handle) (Kuromi)(specimen weight =0.0286g, the result was calculated by 0.1g.)
5. Multicolor coatings on plastic(figure) (Kuromi)(specimen weight =0.0327g, the result was calculated by 0.1g.)
6. Multicolor coatings on plastic(figure) (My Melody)(specimen weight =0.0495g, the result was calculated by 0.1g.)
7. Multicolor coatings on plastic(figure) (Hello Kitty)(specimen weight =0.0218g, the result was calculated by 0.1g.)
8. Orange coating on plastic(handle) (Pompompurin)(specimen weight =0.0175g, the result was calculated by 0.1g.)
9. Multicolor coatings on plastic(figure) (Pompompurin)(specimen weight =0.0234g, the result was calculated by 0.1g.)
10. Multicolor coatings on plastic(figure) (Hangyodon)(specimen weight =0.0660g, the result was calculated by 0.1g.)
11. Sky blue coating on plastic(handle) (Hangyodon)(specimen weight =0.0342g, the result was calculated by 0.1g.)
12. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
13. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
14. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
15. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
16. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)
17. Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)
18. Blue plastic(Cinnamoroll)

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

19. Bright white plastic(hub) (all styles)
20. Black plastic(all styles)
21. Black soft plastic(tyre) (all styles)
22. Light grey plastic(frame) (Kuromi, Pompompurin)
23. Purple plastic(Kuromi)
24. Pink plastic(My Melody, Hello Kitty)
25. Bright blue plastic(My Melody)
26. Bright pink plastic(handle) (all styles)
27. Dark pink plastic>Hello Kitty)
28. Yellow plastic(figure) (Pompompurin)
29. Dark yellow plastic(figure) (Pompompurin)
30. Orange plastic(Pompompurin)
31. Aqua plastic(Hangyodon)
32. Light blue plastic(Hangyodon)
33. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
34. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
35. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
36. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic>Hello Kitty)
37. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
38. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)
39. Silver color metal(long shaft) (all styles)/silver color metal(shaft of front wheel) (all styles)

(To be continued)

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TEST REPORT

RESULTS:

Clause 4.3.8 Phthalates

Method: As per CPSC-CH-C1001-09.4, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS)

Assessment: Tested specimen pass

Result in mg/kg

CAS No.	Test Item	Limit	Specimen No.																	
			1	2	3	4	5	6	7	8	9	10								
84-74-2	Dibutyl Phthalate (DBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-69-5	Di-iso-Butyl Phthalate (DIBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
131-18-0	Dipentyl phthalate (DPENP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-75-3	Di-n-Hexyl Phthalate (DHEXP/DnHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-61-7	Di-Cyclohexyl Phthalate (DCHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Benzyl Butyl Phthalate (BBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	Di(2-ethylhexyl) Phthalate (DEHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28553-12-0	Di-ISO-Nonyl Phthalate (DINP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68515-48-0																				

ND = Not Detected (less than RL), RL = Report Limit, RL= 100mg/kg
1000 mg/kg = 0.1%(m/m)

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
2. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
3. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
4. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
5. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
6. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
7. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
8. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
9. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
10. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)

(To be continued)

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TEST REPORT

RESULTS:

(6) US Consumer Product Safety Improvement Act of 2008 (CPSIA, Public Law 110-314) and its amending Act (Public Law 112-28), Title I , Section 101.

Children's products – containing Lead; Lead paint rule.

Method:

For metals — as per CPSC-CH-E1001-08.3

For Non-metals excluding Paint/coatings — as per CPSC-CH-E1002-08.3

For Paint/Coatings — as per CPSC-CH-E1003-09.1

Element determination by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Assessment: Tested specimen pass

Total Lead Content in Surface Coating

Result in mg/kg (For Paint/Coatings)

Element	Total Pb
Limit	90
RL	10
Specimen No.	
1	ND
2	ND
3	ND
4	ND

mg/kg = milligram per kilogram

ND = Not Detected (less than RL), RL=Report Limit

(To be continued)

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TEST REPORT

RESULTS:

Total Lead Content in Substrate

Result in mg/kg (For Non-coating material)

Element	Total Pb
Limit	100
RL	10
Specimen No.	
5	ND
6	ND
7	ND
8	ND
9	ND
10	ND
11	ND

mg/kg = milligram per kilogram

ND = Not Detected (less than RL), RL=Report Limit

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
2. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
3. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
4. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
5. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
6. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
7. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
8. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
9. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
10. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)
11. Silver color metal(long shaft) (all styles)/silver color metal(shaft of front wheel) (all styles)

(To be continued)

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TEST REPORT

RESULTS:

(7) US Consumer Product Safety Improvement Act (CPSIA) 2008, its amending Act (Public Law 112-28), Title I , Sec. 108 and 16 CFR part 1307

Prohibition on sale of children's toys and childcare articles containing specified phthalates in accessible, plasticized component part

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

Assessment: Tested specimen pass

Result in mg/kg

CAS No.	Test Item	Limit	Specimen No.																	
			1	2	3	4	5	6	7	8	9	10								
84-74-2	Dibutyl Phthalate (DBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-69-5	Di-iso-Butyl Phthalate (DIBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
131-18-0	Dipentyl phthalate (DPENP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-75-3	Di-n-Hexyl Phthalate (DHEXP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-61-7	Di-Cyclohexyl Phthalate (DCHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Benzyl Butyl Phthalate (BBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	Di(2-ethylhexyl) Phthalate (DEHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28553-12-0	Di-ISO-Nonyl Phthalate (DINP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68515-48-0																				

ND = Not Detected (less than RL), RL = Report Limit, RL= 100mg/kg
1000 mg/kg = 0.1%(m/m)

(To be continued)

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
2. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
3. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
4. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
5. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
6. Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
7. Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
8. Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
9. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
10. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)

(To be continued)

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TEST REPORT

RESULTS:

(8) Analyse total Lead content in compliance with the requirement of Safe Drinking Water and Toxic Enforcement Act of 1986 (California's Proposition 65)

Method:

Sample preparation:

For metals — as per CPSC-CH-E1001-08

For Non-metals excluding Paint/coatings — as per CPSC-CH-E1002-08

For Paint/Coatings — as per CPSC-CH-E1003-09

Element determination:

By Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Assessment: Tested specimen pass

Result in mg/kg (For Paint/Coatings)

Element	Total Pb
Limit	90
RL	10
Specimen No.	
1	ND
2	ND
3	ND
4	ND

mg/kg = milligram per kilogram

ND = Not Detected (less than RL), RL=Report Limit

(To be continued)

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TEST REPORT

RESULTS:

Result in mg/kg (For Non-coating material)

Element Limit	Total Pb
RL	100
	10
Specimen No.	
5	ND
6	ND
7	ND
8	ND
9	ND
10	ND
11	ND

mg/kg = milligram per kilogram

ND = Not Detected (less than RL), RL=Report Limit

Specimen description:

- Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
- Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
- Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
- Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
- White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
- Bright white plastic(hub) (all styles)/Black plastic(all styles)/Black soft plastic(tyre) (all styles)
- Light grey plastic(frame) (Kuromi, Pompompurin)/Purple plastic(Kuromi)/Pink plastic(My Melody, Hello Kitty)
- Bright blue plastic(My Melody)/Bright pink plastic(handle) (all styles)/Dark pink plastic(Hello Kitty)
- Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
- Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)
- Silver color metal(long shaft) (all styles)/silver color metal(shaft of front wheel) (all styles)

(To be continued)

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TEST REPORT

RESULTS:

(9) The phthalate concentrations in children's toys and child care article requirement of Safe Drinking Water and Toxic Enforcement Act of 1986 (California's Proposition 65)

Method: With reference to ISO 8124-6:2023 method C, analyzed by Gas Chromatographic-Mass Spectrometer (GC-MS), quantified by external standard

Assessment: Tested specimen pass

CAS No.	Test Item	Limit	Result in mg/kg																	
			1	2	3	4	5	6	7	8	9	10								
84-74-2	Dibutyl Phthalate (DBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-69-5	Diisobutyl phthalate (DIBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85-68-7	Benzyl Butyl Phthalate (BBP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117-81-7	Di(2-ethylhexyl) Phthalate (DEHP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26761-40-0	Di-ISO-Decyl Phthalate (DIDP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
68515-49-1	84-75-3	Di-n-Hexyl Phthalate (DnHP) *	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28553-12-0	68515-48-0	Di-ISO-Nonyl Phthalate (DINP)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected (less than RL), RL = Report Limit, RL= 100mg/kg

1000 mg/kg = 0.1%(m/m)

* = Not the accredited activity of CNAS

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TEST REPORT

RESULTS:

Specimen description:

1. Light blue coating on plastic(pedal) (Cinnamoroll)/Blue coating on plastic(handle) (Cinnamoroll)/Multicolor coatings on plastic(figure) (Cinnamoroll)
2. Purple coating on plastic(handle) (Kuromi)/Multicolor coatings on plastic(figure) (Kuromi)/Multicolor coatings on plastic(figure) (My Melody)
3. Multicolor coatings on plastic(figure) (Hello Kitty)/Orange coating on plastic(handle) (Pompompurin)/Multicolor coatings on plastic(figure) (Pompompurin)
4. Multicolor coatings on plastic(figure) (Hangyodon)/Sky blue coating on plastic(handle) (Hangyodon)
5. White plastic(Cinnamoroll, Kuromi, Hello Kitty, My Melody, Hangyodon)/Light yellow plastic(frame) (Cinnamoroll, Hello Kitty, Hangyodon)/Blue plastic(Cinnamoroll)
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9. Yellow plastic(figure) (Pompompurin)/Dark yellow plastic(figure) (Pompompurin)/Orange plastic(Pompompurin)
10. Aqua plastic(Hangyodon)/Light blue plastic(Hangyodon)

(End of report)

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