Test Report

Date : 2025-06-20
No. : HP25060074

Applicant : Yoshiritsu Co., Ltd.
1563 Koshibe, Oyodo Yoshino, Nara 638-0803 Japan

Attn: Akie Kawai

Description of Samples : Five styles of submitted sample each in two sets said to be :
(A) LaQ Mystical Beast NORSE MYTHOLOGY
JAN Code: 4952907009333
(B) LaQ Dinosaur World JEWEL SPINOSAURUS
JAN Code: 4952907009319
(C) LaQ Music JAZZ TRIO
JAN Code: 4952907009326
(D) LaQ Sweet Collection SWEETS PARTY
JAN Code: 4952907009180
(E) LaQ Sweet Collection TWINKLE CASTLE
JAN Code: 4952907009197

Labelled Age Grading	: Item C, D, E: Age 5 years and up
	: Item A, B: Age 7 years and up
Appropriate Age Grade	: Age 5 years and up
Client's Requested Age Grading	: Age 5 years and up
Tested Age Grade	: Age 5 years and up
Country of Origin	: Japan

Date Samples Received : 2025-06-09

Date Tested : 2025-06-12 to 2025-06-19

WONG Wing-cheung, Benny
Authorized Signatory

THE HONG KONG STANDARDS AND TESTING CENTRE LTD

The Hong Kong Standards and Testing Centre Limited
10 Dai Wang Street, Taipo Industrial Estate, Tai Po, N.T., Hong Kong
Tel: +852 2666 1888 Fax: +852 2664 4353 Email: hkstc@stc.group Website: www.stc.group

Test Report

Description of Samples : **Name of Parts:**

LaQ RED No.1-7
LaQ BLUE No.1-7
LaQ YELLOW No.1-7
LaQ GREEN No.1-7
LaQ PINK No.1-7
LaQ SKY BLUE No.1-7
LaQ ORANGE No.1-7
LaQ LIME No.1-7
LaQ WHITE No.1-7
LaQ BLACK No.1-7
LaQ BROWN No.1-7
LaQ GRAY No.1-7
LaQ LAVENDER No.1-7
LaQ CLEAR No.1-7
LaQ CLEAR RED No.1-7
LaQ CLEAR BLUE No.1-7
LaQ CLEAR YELLOW No.1-7
LaQ JEWEL PINK No.1 and No. 2
LaQ JEWEL AQUA No. 1 and No. 2
LaQ JEWEL EMERALD No. 1 and No. 2
LaQ CLEAR EMERALD No. 1 and No. 2
LaQ CLEAR PINK No. 1 and No. 2
LaQ CLEAR AQUA No. 1 and No. 2
LaQ CLEAR ORANGE No. 1 and No. 2
LaQ CLEAR LIME No. 1 and No. 2
LaQ CLEAR PURPLE No. 1 and No. 2
LaQ Parts Glow-in-the-dark parts No. 1 and No. 2
LaQ HEADBAND PART
LaQ HAMACRON CONSTRUCTOR WHEEL
LaQ HAMACRON CONSTRUCTOR SHAFT
LaQ HAMACRON CONTRSUCTOR MIDDLE SIZE WHEEL
LaQ HAMACRON CONSTRUCTOR LONG SHAFT
LaQ HAMACRON CONSTRUCTOR MINI WHEEL
LaQ HAMACRON CONSTRUCTOR MINI SHAFT
LaQ HAMACRON CONSTRUCTOR PULL- BACK

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Test Report

Description of Parts : **Name of Parts:**
LaQ BALL JOINT A and B
LaQ Hexa Joint Part
LaQ CROSS PART RED, YELLOW, WHITE, BLACK
LaQ PAX RED No.1 and No. 2
LaQ PAX YELLOW No.1 and No. 2
LaQ PAX BLUE No.1 and No. 2
LaQ PAX GREEN No.1 and No. 2
LaQ PARTS REMOVER
LaQ BLISTER CASE BLUE
LaQ BLISTER CASE PINK
LaQ PLASTIC CONTAINER (SMALL)
LaQ PLASTIC CONTAINER (LARGE)
LaQ CASE WHITE (X-SMALL)
LaQ CASE WHITE (SMALL)
LaQ CASE WHITE (LARGE)

WONG Wing-cheung, Benny
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Test Report

Date : 2025-06-20
No. : HP25060074

			Test Item	Result
Test Requested	:	I.	EN71 : Part 1 : 2014 + A1 : 2018 - Physical and Mechanical Properties	Passed
		II.	EN71 : Part 2 : 2020 - Flammability test	Passed
		III.	EN 71-3:2019+A1:2021 - Migration of certain elements (Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium (III), Chromium (VI), Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin, Organic Tin and Zinc).	Passed
		IV.	Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012 - Cadmium content (formerly Directive 91/338/EEC)	Passed
		V.	European Regulation (EU) No. 1907/2006(REACH) Annex XVII Entry 51 & 52 and its amendment Commission Regulation (EU) 2018/2005 －Phthalate content.	Passed
		VI.	ASTM F963-23	
			- Physical and Mechanical Tests	Passed
			- Flammability Test	Passed
			- Heavy Elements Test (Clause 4.3.5)	Passed
			- Phthalates content	Passed
		VII.	Lead content in accordance with U.S. Consumer Product Safety Improvement Act of 2008 - Sec. 101 : Children's Products Containing Lead; Lead Paint Rule	Passed
		VIII.	Phthalates content as required by section 108, USA Consumer Product Safety Improvement Act and 16 CFR 1307 and 15 U.S. Code § 2057c.	Passed

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Authorized Signatory

Test Report

Date : 2025-06-20
No. : HP25060074

			Test Item	Result
Test Requested	:	IX.	Total lead content in accordance with California Proposition 65.	Passed
		X.	Phthalates content in accordance with California Proposition 65.	Passed

Test Result : Refer to the result pages for details.

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Test Results :

I. EN71 : Part 1 : 2014 + A1 : 2018

Applicable clause	Description	Result
4	General requirements	
4.1	Material cleanliness	Pass
4.2	Assembly	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
6	Packaging	Pass
7	Warnings, markings and instructions for use	*1
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass

*1 = The manufacturer or his authorized representative or the importer into the community shall in a visible, easily legible and indelible form affix his name and/or trade name and/or mark and address on the toy or on its packaging.

Note: For numerical result with upper[lower] limit, compliance is deemed to occur if the measured result is under[above] the upper[lower] limit, even when extended upwards [downwards]by the expanded uncertainty with 95% coverage probability.

II. EN71 : Part 2 : 2020

Applicable clause	Title/Description	Result
4.1	General requirements	Pass
	Note : No cellulose nitrate and material with same behaviour in fire was detected.	

Note: For numerical result with upper[lower] limit, compliance is deemed to occur if the measured result is under[above] the upper[lower] limit, even when extended upwards [downwards]by the expanded uncertainty with 95% coverage probability.

III. EN 71-3:2019+A1:2021
Test Method: Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		1	2	3	4	5	6
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Barium (Ba)	18,750	ND	ND	ND	ND	ND	ND
Boron (B)	15,000	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Chromium (III)	460	ND	ND	ND	ND	ND	ND
Chromium (VI)	0.053	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Copper (Cu)	7,700	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15,000	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56,000	ND	ND	ND	ND	ND	ND
Tin (Sn)	180,000	ND	ND	ND	ND	ND	ND
Organic tin[#]	12	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46,000	ND	ND	8	ND	ND	ND

III. EN 71-3:2019+A1:2021
Test Method: Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		7	8	9	10	11	12
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Barium (Ba)	18,750	ND	ND	ND	ND	ND	ND
Boron (B)	15,000	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Chromium (III)	460	ND	ND	ND	ND	ND	ND
Chromium (VI)	0.053	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Copper (Cu)	7,700	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15,000	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56,000	ND	ND	ND	ND	ND	ND
Tin (Sn)	180,000	ND	ND	ND	ND	ND	ND
Organic tin[#]	12	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46,000	5	ND	ND	ND	ND	ND

III. EN 71-3:2019+A1:2021
Test Method: Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		13	14	15	16	17	18
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Barium (Ba)	18,750	ND	ND	ND	ND	ND	ND
Boron (B)	15,000	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Chromium (III)	460	ND	ND	ND	ND	ND	ND
Chromium (VI)	0.053	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Copper (Cu)	7,700	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15,000	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56,000	ND	ND	ND	ND	ND	ND
Tin (Sn)	180,000	ND	ND	ND	ND	ND	ND
Organic tin[#]	12	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46,000	ND	ND	ND	ND	ND	ND

III. EN 71-3:2019+A1:2021
Test Method: Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		19	20	21	22	23	24
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Barium (Ba)	18,750	ND	ND	ND	ND	ND	ND
Boron (B)	15,000	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Chromium (III)	460	ND	ND	ND	ND	ND	ND
Chromium (VI)	0.053	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Copper (Cu)	7,700	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15,000	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56,000	ND	ND	ND	ND	ND	ND
Tin (Sn)	180,000	ND	ND	ND	ND	ND	ND
Organic tin[#]	12	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46,000	ND	ND	ND	ND	ND	ND

III. EN 71-3:2019+A1:2021
Test Method: Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		25	26	27	28	29	30
Aluminium (Al)	28130	ND	ND	ND	8	ND	322
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Barium (Ba)	18,750	ND	ND	ND	ND	ND	20
Boron (B)	15,000	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Chromium (III)	460	ND	ND	ND	ND	ND	0.566
Chromium (VI)	0.053	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	15
Copper (Cu)	7,700	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15,000	ND	ND	ND	6	ND	48
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56,000	ND	ND	ND	42	ND	137
Tin (Sn)	180,000	ND	ND	ND	ND	ND	0.3
Organic tin[#]	12	ND	ND	ND	ND	ND	0.71
Zinc (Zn)	46,000	ND	ND	ND	ND	ND	5

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III. EN 71-3:2019+A1:2021
Test Method: Heavy element analysis was determined by Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Gas Chromatography Mass Spectrometry (GCMS).

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		31	32	33	34	35	36
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Barium (Ba)	18,750	ND	ND	ND	ND	ND	ND
Boron (B)	15,000	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Chromium (III)	460	BL	BL	BL	BL	BL	BL
Chromium (VI)	0.053	BL	BL	BL	BL	BL	BL
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Copper (Cu)	7,700	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15,000	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56,000	ND	ND	ND	ND	ND	ND
Tin (Sn)	180,000	ND	ND	ND	ND	ND	ND
Organic tin[#]	12	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46,000	ND	ND	ND	ND	ND	8

Note :
- All results are in mg/kg
- < denotes less than
- ≥ denotes greater than or equal to
- For samples of migrated chromium content lower than migration limit of chromium (VI), no speciation test for chromium (III) and chromium (VI) were conducted. The results were derived from that of total chromium.
- For samples of migrated tin content calculated as tributyl tin lower than migration limit of organic tin, no organic tin test was conducted. Organic tin results were derived from that of total tin.
- ND = Not detected
- BL = Below Limit

For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

III. EN 71-3:2019+A1:2021

Category III – Scraped-off toy material

Sample	Description	Sample weight
1	Parts : red ABS	≥100 mg
2	Parts : red POM	≥100 mg
3	Parts : blue ABS	≥100 mg
4	Parts : blue POM	≥100 mg
5	Parts : sky blue POM	≥100 mg
6	Parts : orange ABS	≥100 mg
7	Parts : white ABS	≥100 mg
8	Parts : white POM	≥100 mg
9	Parts : clear red PMMA	≥100 mg
10	Parts : clear blue PMMA	≥100 mg
11	Parts : clear yellow PMMA	≥100 mg
12	Wheel : black PE	≥100 mg
13	Tub of wheel : white POM	≥100 mg
14	Parts : pink ABS	≥100 mg
15	Parts : pink POM	≥100 mg
16	Jewel : pink PMMA	≥100 mg
17	Jewel : emerald PMMA	≥100 mg
18	Parts : brown ABS	≥100 mg
19	Parts : brown POM	≥100 mg
20	Parts : gray POM	≥100 mg
21	Parts : lime ABS	≥100 mg
22	Parts : lime POM	≥100 mg
23	Parts : lavender ABS	≥100 mg
24	Parts : lavender POM	≥100 mg
25	Parts : clear PMMA	≥100 mg
26	Cover of container : white PP	≥100 mg
27	Body of container : translucent white PP	≥100 mg
28	Instruction sheet : white paper	≥100 mg
29	Text of container cover : red/yellow coating	35 mg
30	Instruction sheet : red/blue/green/black multicolour coating	≥100 mg
31*[2]	Parts : yellow ABS	≥100 mg
32*[2]	Parts : yellow POM	≥100 mg
33*[2]	Parts : sky blue ABS	≥100 mg
34*[2]	Parts : orange POM	≥100 mg
35*[2]	Parts : black ABS	≥100 mg

III. EN 71-3:2019+A1:2021

Category III – Scraped-off toy material

Sample	Description	Sample weight
36*[2]	Parts/ball joint/shaft : black POM	≥100 mg

Note :
- The samples with sample weight less than 100 mg, were assumed to be 100 mg in calculation (except glass/ceramic/metallic materials).

Organic tin compounds under investigation are limited to methyltin, butyltin, dibutyltin, tributyltin, tetrabutyltin, monooctyltin, dioctyltin, dipropyltin, diphenyltin and triphenyltin. Other organic tin compounds may also be present in toys.

IV. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012 Cadmium content (formerly Directive 91/338/EEC). (in composite condition)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry and/or Inductively Coupled Plasma Spectrometry (ICP-OES) analysis.

	Test item
	Total Cadmium
Maximum permissible level (mg/kg)	100
Sample	
1,2,3#	<10
4,5,6#	<10
7,8,9#	<10
10,11,12#	<10
13,14,15#	<10
16,17,18#	<10
19,20,21#	<10
22,23,24#	<10
25,26,27#	<10

IV. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012 Cadmium content (formerly Directive 91/338/EEC). (in composite condition)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry and/or Inductively Coupled Plasma Spectrometry (ICP-OES) analysis.

	Test item
	Total Cadmium
Maximum permissible level (mg/kg)	100
Sample	
28	<10
29	<10
30	<10
31,32,33#	<10
34,35,36#	<10

Note :
- All results are in mg/kg
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

IV. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012
- Cadmium content (formerly Directive 91/338/EEC).

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry and/or Inductively Coupled Plasma Spectrometry (ICP-OES) analysis.

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28	Instruction sheet : white paper
29	Text of container cover : red/yellow coating
30	Instruction sheet : red/blue/green/black multicolour coating
31*[2]	Parts : yellow ABS
32*[2]	Parts : yellow POM
33*[2]	Parts : sky blue ABS
34*[2]	Parts : orange POM

IV. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012
- Cadmium content (formerly Directive 91/338/EEC).

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry and/or Inductively Coupled Plasma Spectrometry (ICP-OES) analysis.

Sample	Description
35*[2]	Parts : black ABS
36*[2]	Parts/ball joint/shaft : black POM

V. European Regulation (EU) No. 1907/2006(REACH) Annex XVII Entry 51 & 52 and its amendment Commission Regulation (EU) 2018/2005－Phthalate content.
(in composite condition)

Test Method: Phthalate analysis was determined by Gas Chromatography.

Sample	Phthalates content, %(w/w)						
	DBP	BBP	DEHP	DIBP	DNOP	DINP	DIDP
1,2,3#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,5,6#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7,8,9#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
10,11,12#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13,14,15#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
16,17,18#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19,20,21#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
22,23,24#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25,26,27#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28,29,30#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31,32,33#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	Individually or in any combination of the DBP, BBP DEHP and DIBP shall not be equal to or greater than 0.1% by mass of the plasticised material.				The cumulative total of DNOP, DINP and DIDP shall not be greater than 0.1% by mass of the plasticised material.		

Remark:
- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DIBP = Diisobutyl phthalate
- DNOP = Di-n-octyl phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate
- %(w/w) = percentage weight per weight
- Method detection limit = 0.01%(w/w)
- The requirements of DNOP, DINP and DIDP are only applicable on tested material which can be placed in the mouth by children.
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

Note :
- All results are in % w/w
- % w/w denotes percentage by weight
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.

V. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII
- Phthalates contents (formerly Directive 2005/84/EC)

Test Method: Phthalate analysis was determined by Gas Chromatography.

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA

V. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII
- Phthalates contents (formerly Directive 2005/84/EC)

Test Method: Phthalate analysis was determined by Gas Chromatography.

Sample	Description
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28*[2]	Parts : yellow ABS
29*[2]	Parts : yellow POM
30*[2]	Parts : sky blue ABS
31*[2]	Parts : orange POM
32*[2]	Parts : black ABS
33*[2]	Parts/ball joint/shaft : black POM

VI. ASTM F963-23

a. Physical and Mechanical Tests

Applicable clause	Description	Result
4.1	Material Quality – Visual Inspection	Pass
4.2	Flammability	Pass
4.3	Toxicology	Pass
4.6	Small objects	Pass
4.7	Accessible edges 16 CFR 1500.49 Sharp metal or glass edges	Pass
4.9	Accessible points 16 CFR 1500.48 Sharp points	Pass
4.12	Plastic film	Pass
5	Labeling requirements	
5.1	Federal; government requirements	Pass
5.2	Age grading labeling	Pass
5.3	Safety labeling requirements	Pass
5.11	Small objects, small balls, marbles and balloons	Pass
6	Instructional literature	
6.1	Definition and description	Pass
7	Producer's markings	
7.1	Producer's markings	Pass

Remark : The sample(s) were subjected to the normal use and abuse tests in according with Clause 8.5 Normal Use Testing, 8.7 Impact test, 8.8 Torque test, 8.9 Tension test, 8.10 Compression test and 8.12 Flexure test whichever was applicable.
Use and abuse test criteria:

Note: For numerical result with upper[lower] limit, compliance is deemed to occur if the measured result is under[above] the upper[lower] limit, even when extended upwards [downwards]by the expanded uncertainty with 95% coverage probability.

Test	Age Category, months	Test Parameters	16 CFR Reference
Drop test	0 to 18	10 x 4.5 ft	1500.51(b)(3)
	over 18 to 36	4 x 3 ft	1500.52(b)(3)
	over 36 to 96	4 x 3 ft	1500.53(b)(3)
Tip over test	-	3 times	1500.51/52/53 (b)(4)
Tumble test	-	2 x 4 attitudes	-
Steel ball impact test	-	50 inches	-
Torque test	0 to 18	2 in-lbf	1500.51(e)
	over 18 to 36	3 in-lbf	1500.52(e)
	over 36 to 96	4 in-lbf	1500.53(e)
Tension test	0 to 18	10 lbf	1500.51(f)
	over 18 to 36	15 lbf	1500.52(f)
	over 36 to 96	15 lbf	1500.53(f)
Compression test	0 to 18	20 lbf	1500.51(g)
	over 18 to 36	25 lbf	1500.52(g)
	over 36 to 96	30 lbf	1500.53(g)
Flexure test	0 to 18	120 x 30 cycles (10 lbf)	1500.51(d)
	over 18 to 36	120 x 30 cycles (15 lbf)	1500.52(d)
	over 36 to 96	120 x 30 cycles (15 lbf)	1500.53(d)

b. Flammability Test

Applicable clause	Description	Result
4.2	Flammability Materials other than textiles (16 CFR 1500.3 (c) (6) (vi)) Test method : Annex A5 (16 CFR 1500.44)	Pass

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

For materials and substrate

	Test Item
	Total Lead
Permissible Limit (ppm)	100
Sample	
1,2,3#	<10
4,5,6#	<10
7,8,9#	<10
10,11,12#	<10
13,14,15#	<10
16,17,18#	<10
19,20,21#	<10
22,23,24#	<10
25,26,27#	<10
28	<10
29,30,31#	<10
32,33,34#	<10

Note :
- All results are in ppm
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28	Instruction sheet : white paper
29*[2]	Parts : yellow ABS
30*[2]	Parts : yellow POM
31*[2]	Parts : sky blue ABS
32*[2]	Parts : orange POM
33*[2]	Parts : black ABS
34*[2]	Parts/ball joint/shaft : black POM

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

For surface coating

	Test Item
	Total Lead
Permissible Limit (ppm)	90
Sample	
1	<10
2	<10

Note :
- All results are in ppm
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
1	Text of container cover : red/yellow coating
2	Instruction sheet : red/blue/green/black multicolour coating

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

	Test Item							
	As	Hg	Se	Cd	Sb	Pb	Cr	Ba
Maximum Permissible Level (ppm)	25	60	500	75	60	90	60	1000
Sample								
1	<2	<2	<2	<2	<2	<2	<2	<2
2	<2	<2	<2	<2	<2	<2	<2	<2
3	<2	<2	<2	<2	<2	<2	<2	<2
4	<2	<2	<2	<2	<2	<2	<2	<2
5	<2	<2	<2	<2	<2	<2	<2	<2
6	<2	<2	<2	<2	<2	<2	<2	<2
7	<2	<2	<2	<2	<2	<2	<2	<2
8	<2	<2	<2	<2	<2	<2	<2	<2
9	<2	<2	<2	<2	<2	<2	<2	<2
10	<2	<2	<2	<2	<2	<2	<2	<2
11	<2	<2	<2	<2	<2	<2	<2	<2
12	<2	<2	<2	<2	<2	<2	<2	<2
13	<2	<2	<2	<2	<2	<2	<2	<2
14	<2	<2	<2	<2	<2	<2	<2	<2
15	<2	<2	<2	<2	<2	<2	<2	<2
16	<2	<2	<2	<2	<2	<2	<2	<2
17	<2	<2	<2	<2	<2	<2	<2	<2
18	<2	<2	<2	<2	<2	<2	<2	<2
19	<2	<2	<2	<2	<2	<2	<2	<2
20	<2	<2	<2	<2	<2	<2	<2	<2
21	<2	<2	<2	<2	<2	<2	<2	<2
22	<2	<2	<2	<2	<2	<2	<2	<2
23	<2	<2	<2	<2	<2	<2	<2	<2
24	<2	<2	<2	<2	<2	<2	<2	<2
25	<2	<2	<2	<2	<2	<2	<2	<2

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

	Test Item							
	As	Hg	Se	Cd	Sb	Pb	Cr	Ba
Maximum Permissible Level (ppm)	25	60	500	75	60	90	60	1000
Sample								
26	<2	<2	<2	<2	<2	<2	<2	<2
27	<2	<2	<2	<2	<2	<2	<2	<2
28	<2	<2	<2	<2	<2	<2	<2	<2
29	<2	<2	<2	<2	<2	<2	<2	<2
30	<2	<2	<2	<2	<2	<2	<2	20
31	<2	<2	<2	<2	<2	<2	<2	<2
32	<2	<2	<2	<2	<2	<2	<2	<2
33	<2	<2	<2	<2	<2	<2	<2	<2
34	<2	<2	<2	<2	<2	<2	<2	<2
35	<2	<2	<2	<2	<2	<2	<2	<2
36	<2	<2	<2	<2	<2	<2	<2	<2

Note :
- All results are in ppm
- ppm denotes part per million by weight
- < denotes less than
- ≥ denotes greater than or equal to
- As = Arsenic; Hg = Mercury; Se = Selenium; Cd = Cadmium; Sb = Antimony; Pb = Lead; Cr = Chromium; Ba = Barium
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description	Sample weight
1	Parts : red ABS	≥100 mg
2	Parts : red POM	≥100 mg
3	Parts : blue ABS	≥100 mg
4	Parts : blue POM	≥100 mg
5	Parts : sky blue POM	≥100 mg
6	Parts : orange ABS	≥100 mg
7	Parts : white ABS	≥100 mg
8	Parts : white POM	≥100 mg
9	Parts : clear red PMMA	≥100 mg
10	Parts : clear blue PMMA	≥100 mg
11	Parts : clear yellow PMMA	≥100 mg
12	Wheel : black PE	≥100 mg
13	Tub of wheel : white POM	≥100 mg
14	Parts : pink ABS	≥100 mg
15	Parts : pink POM	≥100 mg
16	Jewel : pink PMMA	≥100 mg
17	Jewel : emerald PMMA	≥100 mg
18	Parts : brown ABS	≥100 mg
19	Parts : brown POM	≥100 mg
20	Parts : gray POM	≥100 mg
21	Parts : lime ABS	≥100 mg
22	Parts : lime POM	≥100 mg
23	Parts : lavender ABS	≥100 mg
24	Parts : lavender POM	≥100 mg
25	Parts : clear PMMA	≥100 mg
26	Cover of container : white PP	≥100 mg
27	Body of container : translucent white PP	≥100 mg
28	Instruction sheet : white paper	≥100 mg
29	Text of container cover : red/yellow coating	35 mg
30	Instruction sheet : red/blue/green/black multicolour coating	≥100 mg
31*[2]	Parts : yellow ABS	≥100 mg
32*[2]	Parts : yellow POM	≥100 mg
33*[2]	Parts : sky blue ABS	≥100 mg
34*[2]	Parts : orange POM	≥100 mg

VI. ASTM F963-23

Heavy element
Ref.: ASTM F963-23 Section 4.3.5
Method: ASTM F963-23 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description	Sample weight
35*[2]	Parts : black ABS	≥100 mg
36*[2]	Parts/ball joint/shaft : black POM	≥100 mg

VI. ASTM F963-23

Phthalates content (in composite condition)
Ref.: ASTM F963-23 Section 4.3.8, CPSIA Sec. 108 & 16 CFR 1307 and 15 U.S. Code § 2057c.
Test method: CPSC-CH-C1001-09.4 by Gas Chromatography with Mass Selective Detector

Sample	Phthalates content, %(w/w)							
	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DPENP	DCHP
1,2,3[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,5,6[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7,8,9[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
10,11,12[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13,14,15[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
16,17,18[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19,20,21[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
22,23,24[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25,26,27[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28,29,30[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31,32,33[#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Remark:
- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DINP = Diisononyl phthalate
- DHEXP =Di-n-hexyl phthalate
- DIBP =Diisobutyl phthalate
- DPENP =Di-n-pentyl phthalate
- DCHP =Dicyclohexyl phthalate
- %(w/w) =percentage weight per weight
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VI. ASTM F963-23

Phthalates content
Ref.: ASTM F963-23 Section 4.3.8, CPSIA Sec. 108 & 16 CFR 1307 and 15 U.S. Code § 2057c.
Test method: CPSC-CH-C1001-09.4 by Gas Chromatography with Mass Selective Detector

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM

VI. ASTM F963-23

Phthalates content
Ref.: ASTM F963-23 Section 4.3.8, CPSIA Sec. 108 & 16 CFR 1307 and 15 U.S. Code § 2057c.
Test method: CPSC-CH-C1001-09.4 by Gas Chromatography with Mass Selective Detector

Sample	Description
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28*[2]	Parts : yellow ABS
29*[2]	Parts : yellow POM
30*[2]	Parts : sky blue ABS
31*[2]	Parts : orange POM
32*[2]	Parts : black ABS
33*[2]	Parts/ball joint/shaft : black POM

VII. Children's products containing lead - Total lead content in substrate
(in composite condition)
Ref.: CPSIA Sec 101(a) and 15 U.S. Code § 1278a.
Test method: Standard operation procedure for determining total lead (Pb) in non-metal children's products, CPSC-CH-E1002-08.3
Test method: Standard operation procedure for determining total lead (Pb) in metal children's products, CPSC-CH-E1001-08.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

For materials and substrate

	Test Item
	Total Lead
Permissible Limit (mg/kg)	100
Sample	
1,2,3#	<10
4,5,6#	<10
7,8,9#	<10
10,11,12#	<10
13,14,15#	<10
16,17,18#	<10
19,20,21#	<10
22,23,24#	<10
25,26,27#	<10
28	<10
29,30,31#	<10
32,33,34#	<10

Note :
- All results are in mg/kg
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.

- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VII. Children's products containing lead - Total lead content in substrate
Ref.: CPSIA Sec 101(a) and 15 U.S. Code § 1278a.
Test method: Standard operation procedure for determining total lead (Pb) in non-metal children's products, CPSC-CH-E1002-08.3
Test method: Standard operation procedure for determining total lead (Pb) in metal children's products, CPSC-CH-E1001-08.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28	Instruction sheet : white paper
29*[2]	Parts : yellow ABS
30*[2]	Parts : yellow POM
31*[2]	Parts : sky blue ABS
32*[2]	Parts : orange POM

VII. Children's products containing lead - Total lead content in substrate
Ref.: CPSIA Sec 101(a) and 15 U.S. Code § 1278a.
Test method: Standard operation procedure for determining total lead (Pb) in non-metal children's products, CPSC-CH-E1002-08.3
Test method: Standard operation procedure for determining total lead (Pb) in metal children's products, CPSC-CH-E1001-08.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
33*[2]	Parts : black ABS
34*[2]	Parts/ball joint/shaft : black POM

VII. Children's products containing lead - Total lead content in paint and surface coating
Ref.: CPSIA Sec. 101 (f), 16 CFR 1303 and 15 U.S. Code § 1278a.
Test method: CPSC-CH-E 1003-09.1
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

	Test Item
	Total Lead
Permissible Limit (mg/kg)	90
Sample	
1	<10
2	<10

Note :
- All results are in mg/kg
- < denotes less than
- [#] denotes composite sample. The results for composite sample are calculated based on the component with the least weight.

- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VII. Children's products containing lead - Total lead content in paint and surface coating
Ref.: CPSIA Sec. 101 (f), 16 CFR 1303 and 15 U.S. Code § 1278a.
Test method: CPSC-CH-E 1003-09.1
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
1	Text of container cover : red/yellow coating
2	Instruction sheet : red/blue/green/black multicolour coating

VIII. Phthalates content (in composite condition)
Ref.: CPSIA Sec. 108 & 16 CFR 1307 and 15 U.S. Code § 2057c.
Test method: CPSC-CH-C1001-09.4 by Gas Chromatography with Mass Selective Detector

Sample No.	Phthalates content, %(w/w)									
	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DPENP	DCHP	DNOP	DIDP
1,2,3#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,5,6#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7,8,9#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
10,11,12#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13,14,15#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
16,17,18#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19,20,21#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
22,23,24#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25,26,27#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28,29,30#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31,32,33#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	See Note	

Remark:
- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DNOP = Di-n-octyl phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate
- DHEXP =Di-n-hexyl phthalate
- DIBP =Diisobutyl phthalate
- DPENP =Di-n-pentyl phthalate
- DCHP =Dicyclohexyl phthalate
- %(w/w) =percentage weight per weight

Note : The results of DNOP and DIDP are for reference only.

Note :
- All results are in % w/w
- % w/w denotes percentage by weight
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

VIII. Phthalates content
Ref.: CPSIA Sec. 108 & 16 CFR 1307 and 15 U.S. Code § 2057c.
Test method: CPSC-CH-C1001-09.4 by Gas Chromatography with Mass Selective Detector

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA

VIII. Phthalates content
Ref.: CPSIA Sec. 108 & 16 CFR 1307 and 15 U.S. Code § 2057c.
Test method: CPSC-CH-C1001-09.4 by Gas Chromatography with Mass Selective Detector

Sample	Description
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28*[2]	Parts : yellow ABS
29*[2]	Parts : yellow POM
30*[2]	Parts : sky blue ABS
31*[2]	Parts : orange POM
32*[2]	Parts : black ABS
33*[2]	Parts/ball joint/shaft : black POM

IX. California Proposition 65: Lead content (in composite condition)
Ref.: Proposition 65 list of chemicals.
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

For materials and substrate

	Test Item
	Total Lead
Permissible Limit (mg/kg)	100
Sample	
1,2,3#	<10
4,5,6#	<10
7,8,9#	<10
10,11,12#	<10
13,14,15#	<10
16,17,18#	<10
19,20,21#	<10
22,23,24#	<10
25,26,27#	<10
28	<10
29,30,31#	<10
32,33,34#	<10

Note :
- All results are in mg/kg
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.

- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

IX. California Proposition 65: Lead content
Ref.: Proposition 65 list of chemicals.
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28	Instruction sheet : white paper
29*[2]	Parts : yellow ABS
30*[2]	Parts : yellow POM
31*[2]	Parts : sky blue ABS
32*[2]	Parts : orange POM
33*[2]	Parts : black ABS
34*[2]	Parts/ball joint/shaft : black POM

IX. California Proposition 65: Lead content
Ref.: Proposition 65 list of chemicals.
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

For surface coating

	Test Item
	Total Lead
Permissible Limit (mg/kg)	90
Sample	
1	<10
2	<10

Note :
- All results are in mg/kg
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight.

- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

IX. California Proposition 65: Lead content
Ref.: Proposition 65 list of chemicals.
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
1	Text of container cover : red/yellow coating
2	Instruction sheet : red/blue/green/black multicolour coating

X. California Proposition 65: Phthalates content (in composite condition)
Ref.: Proposition 65 list of chemicals.
Determined by: Gas Chromatography Mass Spectrometer

Sample No.	Phthalates content, %(w/w)					
	DBP	BBP	DEHP	DNHP	DINP	DIDP
1,2,3#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,5,6#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7,8,9#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
10,11,12#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13,14,15#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
16,17,18#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19,20,21#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
22,23,24#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25,26,27#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28,29,30#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31,32,33#	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Limit	0.1	0.1	0.1	0.1	0.1	0.1

Remark:
- Method detection limit = 0.01%(w/w)
- %(w/w) =percentage weight per weigh
- The above limit was quoted from the requirement stated in Alameda Superior Court, BG-07-350969.
- DBP = Di-n-butyl phthalate
- BBP = Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DNHP = Di-n-hexyl phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate
- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

Note :
- All results are in % w/w
- % w/w denotes percentage by weight
- < denotes less than
- # denotes composite sample. The results for composite sample are calculated based on the component with the least weight

- For specification with upper limit, compliance is deemed to occur if the measured result is under the limit, even extended upwards by the expanded uncertainty with 95% coverage probability.

X. California Proposition 65: Phthalates content
Ref.: Proposition 65 list of chemicals.
Determined by: Gas Chromatography Mass Spectrometer

Sample	Description
1	Parts : red ABS
2	Parts : red POM
3	Parts : blue ABS
4	Parts : blue POM
5	Parts : sky blue POM
6	Parts : orange ABS
7	Parts : white ABS
8	Parts : white POM
9	Parts : clear red PMMA
10	Parts : clear blue PMMA
11	Parts : clear yellow PMMA
12	Wheel : black PE
13	Tub of wheel : white POM
14	Parts : pink ABS
15	Parts : pink POM
16	Jewel : pink PMMA
17	Jewel : emerald PMMA
18	Parts : brown ABS
19	Parts : brown POM
20	Parts : gray POM
21	Parts : lime ABS
22	Parts : lime POM
23	Parts : lavender ABS
24	Parts : lavender POM
25	Parts : clear PMMA
26	Cover of container : white PP
27	Body of container : translucent white PP
28*[2]	Parts : yellow ABS
29*[2]	Parts : yellow POM
30*[2]	Parts : sky blue ABS
31*[2]	Parts : orange POM
32*[2]	Parts : black ABS
33*[2]	Parts/ball joint/shaft : black POM

*[2] = The test results were referred from our Test Report No. HP25020173 issued on 2025-02-21.

Appendix for Photos of the Submitted Sample

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

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by The Hong Kong Standards & Testing Centre Limited (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The Company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by the Company as a result of this application for testing service (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to his customer, supplier or other persons directly concerned. Subject to clause 3, the Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall be at liberty to disclose the testing-related documents and/or files anytime to any third-party accreditation and/or recognition bodies for audit or other related purposes. No liabilities whatsoever shall attach to the Company's act of disclosure.

4. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

5. The results in Report apply only to the sample as received and do not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.

6. When a statement of conformity to a specification or standard is provided, the ILAC-G8 Guidance document (and/or IEC Guide 115 in the electrotechnical sector) will be adopted as a decision rule for the determination of conformity unless it is inherent in the requested specification or standard, or otherwise specified in the Report.

7. In the event of the improper use the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

8. Sample submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

9. The Company will not be liable for or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

10. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

11. Subject to the variable length of retention time for test data and report stored hereinto as to otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of three years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

12. Issuance records of the Report are available on the internet at www.stc.group. Further enquiry of validity or verification of the Reports should be addressed to the Company.