

Date: 2025-10-21 Page 1 of 72 **No.**: HP25100199

Applicant : Yoshiritsu Co., Ltd.

1563 Koshibe, Oyodo Yoshino, Nara 638-0803 Japan

Attn: Akie Kawai

Description of Samples : Nine styles of submitted sample each in two sets said to be :

(A) LaQ Space Series MARS FRONTIER

JAN Code: 4952907009470
(B) LaQ Ball Joint ROBOT BLAST JAN Code: 4952907009517

(C) LaQ Sweet Collection PRINCESS JEWELRY

JAN Code: 4952907009524

(D) LaQ Mystical Beast JEWEL QING LONG

JAN Code: 4952907009463

(E) LaQ Hamacron Constructor MINI SUBMARINE

JAN Code: 4952907009555

(F) LaO Hamacron Constructor MINI RV

JAN Code: 4952907009562 (G) LaQ BONUS SET 2025 JAN Code: 4952907009487

(H) LaQ Basic 2800

JAN Code: 4952907009500

(J) LaQ Dinosaur World DINO KINGDOM

JAN Code: 4952907009425

Labelled Age Grading : Item A, C, E, F, G, H: Age 5

years and up

: Item B, D, J: Age 7 years and

Appropriate Age Grade u

Client's Requested Age Grading
Tested Age Grade
Country of Origin
: Age 5 years and up
: Age 5 years and up
: Age 5 years and up

: Japan

Date Samples Received : 2025-10-06

Date Tested : 2025-10-06 to 2025-10-20

WONG Wing-cheung, Benny Authorized Signatory WONG Kai-Ming, Ricky Authorized Signatory

Ky LANG SHAND SHAND AND SHILE THE

The Hong Kong Standards and Testing Centre Limited
10 Dai Wang Street, Taipo Industrial Estate, Tai Po, N.T., Hong Kong



Date: 2025-10-21 Page 2 of 72 **No.**: HP25100199

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 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 BLUE No.1-7 LaQ CLEAR YELLOW No.1-7

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 JEWEL PINK No.1 and No. 2 LaQ JEWEL AQUA No. 1 and No. 2

LaQ JEWEL EMERALD No. 1 and No. 2

LaQ JEWEL PURPLE No.1 and No. 2

LaQ JEWEL ORANGE No. 1 and No. 2

LaQ JEWEL LIME No. 1 and No. 2

LaQ Parts Glow-in-the-dark parts No. 1 and No. 2

WONG Wing-cheung, Benny Authorized Signatory WONG Kai-Ming, Ricky Authorized Signatory



Date: 2025-10-21 Page 3 of 72 **No.**: HP25100199

Description of Samples: Name of Parts:

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

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 CONT AINER (LARGE)

LaQ WHITE CASE (X-SMALL) LaQ WHITE CASE (SMALL) LaQ WHITE CASE (LARGE)

WONG Wing-cheung, Benny Authorized Signatory

WONG Kai-Ming, Ricky Authorized Signatory



Date: 2025-10-21 Page 4 of 72 **No.** : HP25100199 Result Test Item **Test Requested** I. EN71: Part 1: 2014 + A1: 2018 - Physical Passed and Mechanical Properties EN71: Part 2: 2020 - Flammability test Passed II. III. EN 71-3:2019+ A2:2024 - Migration of Passed 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). IV. Regulation (EC) No. 1907/2006 of the Passed 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) V. European Regulation (EU) No. Passed 1907/2006(REACH) Annex XVII Entry 51 & 52 and its amendment Commission Regulation (EU) 2018/2005 -Phthalate content. VI. ASTM F963-23 - Physical and Mechanical Tests Passed Passed - Flammability Test Passed - Heavy Elements Test (Clause 4.3.5) Passed - Phthalates content VII. Lead content in accordance with U.S. Passed Consumer Product Safety Improvement Act of 2008 - Sec. 101: Children's Products Containing Lead; Lead Paint Rule VIII. Phthalates content as required by section Passed 108, USA Consumer Product Safety Improvement Act and 16 CFR 1307 and 15

WONG Wing-cheung, Benny Authorized Signatory WONG Kai-Ming, Ricky Authorized Signatory

U.S. Code § 2057c.



Date: 2025-10-21 Page 5 of 72 **No.**: HP25100199

Test Requested : IX. Total lead content in accordance with Passed

California Proposition 65.

X. Phthalates content in accordance with Passed

California Proposition 65.

Test Result : Refer to the result pages for details.

WONG Wing-cheung, Benny Authorized Signatory

WONG Kai-Ming, Ricky Authorized Signatory



Date: 2025-10-21 Page 6 of 72 **No.**: HP25100199

Test Results:

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

<u>Applicable</u>	<u>Description</u>	Result
<u>clause</u>		
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. <u>EN71 : Part 2 : 2020</u>

<u>Applicable</u>	<u>Title/Description</u>	Result
<u>clause</u>		
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.



Date: 2025-10-21 Page 7 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit (mg/kg)	Result (mg/kg)					
	(mg/kg)			San	nple		
		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	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	ND



Date: 2025-10-21 Page 8 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit	Result (mg/kg)					
Diement	(mg/kg)			San	nple		
		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	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	212	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



Date: 2025-10-21 Page 9 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit	Result (mg/kg)					
	(mg/kg)			San	nple		
		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	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	30	ND	ND	ND	ND	ND



Date: 2025-10-21 Page 10 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit	Result (mg/kg)					
	(mg/kg)			San	nple		
		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	BL	ND	ND	ND	ND	ND
Chromium (VI)	0.053	BL	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	8	ND	ND



Date: 2025-10-21 Page 11 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit (mg/kg)	Result (mg/kg)					
	(8 8)		T	San	nple	T	
		25	26	27	28	29	30
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	5	ND	ND	ND	ND



Date: 2025-10-21 Page 12 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit	Result (mg/kg)					
Element	(mg/kg)			San	nple		
		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	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



Date: 2025-10-21 Page 13 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit	Result (mg/kg)					
Ziomene	(mg/kg)			San	nple		
		37	38	39	40	41	42
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



Date: 2025-10-21 Page 14 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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).

Element	Migration limit	Result (mg/kg)					
Ziemene	(mg/kg)			San	nple		
		43	44	45	46	47	48
Aluminium (Al)	28130	ND	ND	ND	ND	8	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	6	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	42	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



Date: 2025-10-21 Page 15 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

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 49
Aluminium (Al)	28130	322
Antimony (Sb)	560	ND
Arsenic (As)	47	ND
Barium (Ba)	18,750	20
Boron (B)	15,000	ND
Cadmium (Cd)	17	ND
Chromium (III)	460	0.566
Chromium (VI)	0.053	ND
Cobalt (Co)	130	15
Copper (Cu)	7,700	ND
Lead (Pb)	23	ND
Manganese (Mn)	15,000	48
Mercury (Hg)	94	ND
Nickel (Ni)	930	ND
Selenium (Se)	460	ND
Strontium (Sr)	56,000	137
Tin (Sn)	180,000	0.3
Organic tin#	12	0.71
Zinc (Zn)	46,000	5

Note:

- All results are in mg/kg
- < denotes less than
- \geq 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

The Hong Kong Standards and Testing Centre Limited
10 Dai Wang Street, Taipo Industrial Estate, Tai Po, N.T., Hong Kong



Date: 2025-10-21 Page 16 of 72 **No.**: HP25100199

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. <u>EN 71-3:2019+A2:2024</u>

Sample	Description	Sample weight
1	Parts : yellow POM	≥100 mg
2	Parts : orange POM	≥100 mg
3	Parts : black ABS	≥100 mg
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM	≥100 mg
5	Parts : clear blue PC	≥100 mg
6	Parts : yellow ABS	≥100 mg
7	Parts : sky blue ABS	≥100 mg
8	Parts: clear red PC	≥100 mg
9	Parts : clear yellow PC	≥100 mg
10	Parts : clear PC	≥100 mg
11	Jewel : aqua PMMA	≥100 mg
12	Head band: black PP	≥100 mg
13	Parts : luminous creamy white ABS	≥100 mg
14	Jewel: purple PMMA	≥100 mg
15	Jewel : orange PMMA	≥100 mg
16	Jewel : lime PMMA	≥100 mg
17	Parts: green ABS	≥100 mg
18	Parts : green POM	≥100 mg
19	Parts : gray ABS	≥100 mg
20*2	Parts : red ABS	≥100 mg
21*2	Parts : red POM	≥100 mg
22*2	Parts : blue ABS	≥100 mg
23*2	Parts : blue POM	≥100 mg
24*2	Parts : sky blue POM	≥100 mg
25* ²	Parts : orange ABS	≥100 mg
26* ²	Parts : white ABS	≥100 mg
27*2	Parts : white POM	≥100 mg
28*2	Parts : clear red PMMA	≥100 mg
29*2	Parts : clear blue PMMA	≥100 mg
30*2	Parts : clear yellow PMMA	≥100 mg
31*2	Wheel: black PE	≥100 mg
32*2	Tub of wheel: white POM	≥100 mg
33*2	Parts : pink ABS	≥100 mg
34*2	Parts : pink POM	≥100 mg
35* ²	Jewel : pink PMMA	≥100 mg



Date: 2025-10-21 Page 17 of 72

No. : HP25100199

III. <u>EN 71-3:2019+A2:2024</u>

Category III – Scraped-off toy material

Sample	Description	Sample weight
36* ²	Jewel : emerald PMMA	≥100 mg
37* ²	Parts : brown ABS	≥100 mg
38*2	Parts : brown POM	≥100 mg
39*2	Parts : gray POM	≥100 mg
40*2	Parts : lime ABS	≥100 mg
41*2	Parts : lime POM	≥100 mg
42*2	Parts : lavender ABS	≥100 mg
43*2	Parts : lavender POM	≥100 mg
44*2	Parts : clear PMMA	≥100 mg
45* ²	Cover of container: white PP	≥100 mg
46* ²	Body of container: translucent white PP	≥100 mg
47*2	Instruction sheet : white paper	≥100 mg
48*2	Text of container cover : red/yellow coating	35 mg
49* ²	Instruction sheet : red/blue/green/black multicolour coating	≥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).
- # 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.
- *² = The test results were referred from our Test Report No. HP25060074 issued on 2025-06-20.



Date: 2025-10-21 Page 18 of 72 **No.** : HP25100199

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		
Sample 1,2,3 [#]	<10	
$4,5,6^{\dagger\prime}$	<10	
$7,8,9^{\#}$	<10	
10,11,12#	<10	
13,14,15#	<10	
16,17,18#	<10	
19	<10	
20,21,22#	<10	
23,24,25#	<10	
20,21,22 [#] 23,24,25 [#] 26,27,28 [#] 29,30,31 [#] 32,33,34 [#]	<10	
29,30,31#	<10	
32,33,34 [#]	<10	
$35.36.37^{\pi}$	<10	
38,39,40#	<10	
41,42,43#	<10	
44,45,46#	<10	
47	<10	
48	<10	
49	<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.



Date: 2025-10-21 Page 19 of 72

No. : HP25100199

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 : yellow POM
2	Parts : orange POM
3	Parts : black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts : clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP
13	Parts : luminous creamy white ABS
14	Jewel: purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts: green ABS
18	Parts : green POM
19	Parts : gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
$22*^2$	Parts : blue ABS
23* ²	Parts : blue POM
24*2	Parts : sky blue POM
25* ²	Parts : orange ABS
26* ²	Parts : white ABS
27* ²	Parts : white POM
28*2	Parts : clear red PMMA
29* ²	Parts : clear blue PMMA
30* ²	Parts : clear yellow PMMA
31* ²	Wheel: black PE
32* ²	Tub of wheel: white POM
33* ²	Parts : pink ABS
34* ²	Parts : pink POM
35* ²	Jewel: pink PMMA



Date: 2025-10-21 Page 20 of 72

No. : HP25100199

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
36*2	Jewel: emerald PMMA
37*2	Parts: brown ABS
38*2	Parts : brown POM
39* ²	Parts : gray POM
40*2	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45* ²	Cover of container: white PP
46*2	Body of container: translucent white PP
47* ²	Instruction sheet: white paper
48*2	Text of container cover : red/yellow coating
49* ²	Instruction sheet : red/blue/green/black multicolour coating

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	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Limit	Individually or in any combination of the			tion of the	The cumulati	ve total of DNO	OP, DINP and
	DBP, BBP DEHP and DIBP shall not be				DIDP shall	not be greater tl	nan 0.1% by
	equal to or greater than 0.1% by mass of			mass of	the plasticised	material.	
	the plasticised material.			1.			



Date: 2025-10-21 Page 21 of 72

No. : HP25100199

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
20,21,22#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
23,24,25#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
26,27,28#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
29,30,31#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
32,33,34#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
35,36,37#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
38,39,40#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
41,42,43#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
44,45,46#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Limit	Individually or in any combination of the The cumulative total of				ve total of DNO	OP, DINP and	
	DBP, BBP DEHP and DIBP shall not be				not be greater tl		
	equal to or greater than 0.1% by mass of			mass of	the plasticised i	material.	
	the plasticised material.			1.			

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.

The Hong Kong Standards and Testing Centre Limited 10 Dai Wang Street, Taipo Industrial Estate, Tai Po, N.T., Hong Kong



Date: 2025-10-21 Page 22 of 72

No. : HP25100199

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: yellow POM
2	Parts : orange POM
3	Parts: black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts : clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP
13	Parts : luminous creamy white ABS
14	Jewel : purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts : green ABS
18	Parts : green POM
19	Parts : gray ABS
20^{*2}	Parts : red ABS
21*2	Parts : red POM
22*2	Parts : blue ABS
23*2	Parts : blue POM
24*2	Parts : sky blue POM
25*2	Parts : orange ABS
26*2	Parts : white ABS
27*2	Parts : white POM
28*2	Parts : clear red PMMA
29* ²	Parts : clear blue PMMA



Date: 2025-10-21 Page 23 of 72

No. : HP25100199

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
30* ²	Parts : clear yellow PMMA
31*2	Wheel: black PE
32*2	Tub of wheel: white POM
33*2	Parts : pink ABS
34*2	Parts : pink POM
35* ²	Jewel : pink PMMA
36* ²	Jewel : emerald PMMA
37*2	Parts : brown ABS
38*2	Parts : brown POM
39* ²	Parts : gray POM
$40*^2$	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45* ²	Cover of container: white PP
46*2	Body of container: translucent white PP



Date: 2025-10-21 Page 24 of 72

No. : HP25100199

VI. ASTM F963-23

a. Physical and Mechanical Tests

<u>Applicable</u>	<u>Description</u>	Result
<u>clause</u>		
4.1	Material Quality – Visual Inspection	Pass
4.2	Flammability	Pass* ³
4.3	Toxicology	Pass*3
4.6	Small objects	Pass
4.7	Accessible edges	Pass
	16 CFR 1500.49 Sharp metal or glass edges	
4.9	Accessible points	Pass
	16 CFR 1500.48 Sharp points	
4.12	Plastic film	Pass
5	<u>Labeling requirements</u>	
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	<u>Instructional literature</u>	
6.1	Definition and description	Pass
7	Producer's markings	
7.1	Producer's markings	Pass

 $^{*^3}$ = Refer to the relevant test results at the following pages.

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.



Date: 2025-10-21 Page 25 of 72 **No.**: HP25100199

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

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



Date: 2025-10-21 Page 26 of 72

No. : HP25100199

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 [#] 4,5,6 [#] 7,8,9 [#] 10,11,12 [#]	<10
4,5,6 [#]	<10
7,8,9 [#]	<10
10,11,12#	<10
$13.14.15^{\pi}$	<10
16,17,18#	<10
19	<10
20,21,22 [#] 23,24,25 [#] 26,27,28 [#] 29,30,31 [#]	<10
23,24,25#	<10
26,27,28 [#]	<10
29,30,31#	<10
$32\ 33\ 34^{\pi}$	<10
35,36,37 [#]	<10
35,36,37 [#] 38,39,40 [#] 41,42,43 [#] 44,45,46 [#]	<10
41,42,43#	<10
44,45,46#	<10
47	<10

Note:

- All results are in ppm
- denotes less than
 # dom:
- 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.

The Hong Kong Standards and Testing Centre Limited 10 Dai Wang Street, Taipo Industrial Estate, Tai Po, N.T., Hong Kong



Date: 2025-10-21 Page 27 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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 : yellow POM
2	Parts : orange POM
3	Parts: black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts : clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP
13	Parts : luminous creamy white ABS
14	Jewel: purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts : green ABS
18	Parts : green POM
19	Parts: gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
22*2	Parts: blue ABS
23*2	Parts: blue POM
24*2	Parts: sky blue POM
25* ²	Parts : orange ABS
26* ² 27* ²	Parts: white ABS
27*2	Parts: white POM
29*2	Parts : clear red PMMA
30*2	Parts : clear blue PMMA
30*2	Parts : clear yellow PMMA
31*	Wheel: black PE Tub of wheel: white POM
32*	Tub of wheel: white POM
34*2	Parts : pink ABS Parts : pink POM
34"	raits . piik row



Date: 2025-10-21 Page 28 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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
35* ²	Jewel : pink PMMA
36*2	Jewel: emerald PMMA
37* ²	Parts : brown ABS
38*2	Parts : brown POM
39*2	Parts : gray POM
40*2	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45* ²	Cover of container: white PP
46*2	Body of container: translucent white PP
47* ²	Instruction sheet: white paper

VI. <u>ASTM F963-23</u>

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* ²	<10
2*2	<10



Date: 2025-10-21 Page 29 of 72

No. : HP25100199

Note:

• All results are in ppm

< denotes less than
1-</pre>

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

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Date: 2025-10-21 Page 30 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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								
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
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	<2
31	<2	<2	<2	<2	<2	<2	<2	<2
32	<2 <2	<2 <2	<2 <2	<2 <2	<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



Date: 2025-10-21 Page 31 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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								
37	<2	<2	<2	<2	<2	<2	<2	<2
38	<2	<2	<2	<2	<2	<2	<2	<2
39	<2	<2	<2	<2	<2	<2	<2	<2
40	<2	<2	<2	<2	<2	<2	<2	<2
41	<2	<2	<2	<2	<2	<2	<2	<2
42	<2	<2	<2	<2	<2	<2	<2	<2
43	<2	<2	<2	<2	<2	<2	<2	<2
44	<2	<2	<2	<2	<2	<2	<2	<2
45	<2	<2	<2	<2	<2	<2	<2	<2
46	<2	<2	<2	<2	<2	<2	<2	<2
47	<2	<2	<2	<2	<2	<2	<2	<2
48	<2	<2	<2	<2	<2	<2	<2	<2
49	<2	<2	<2	<2	<2	<2	<2	20

Note: • All results are in ppm

- ppm denotes part per million by weight
- < denotes less than
- \geq 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.



Date: 2025-10-21 Page 32 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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 : yellow POM	≥100 mg
2	Parts : orange POM	≥100 mg
3	Parts : black ABS	≥100 mg
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM	≥100 mg
5	Parts : clear blue PC	≥100 mg
6	Parts : yellow ABS	≥100 mg
7	Parts : sky blue ABS	≥100 mg
8	Parts : clear red PC	≥100 mg
9	Parts : clear yellow PC	≥100 mg
10	Parts : clear PC	≥100 mg
11	Jewel : aqua PMMA	≥100 mg
12	Head band : black PP	≥100 mg
13	Parts : luminous creamy white ABS	≥100 mg
14	Jewel: purple PMMA	≥100 mg
15	Jewel : orange PMMA	≥100 mg
16	Jewel : lime PMMA	≥100 mg
17	Parts: green ABS	≥100 mg
18	Parts : green POM	≥100 mg
19	Parts : gray ABS	≥100 mg
20	Parts : red ABS	≥100 mg
21	Parts : red POM	≥100 mg
22	Parts : blue ABS	≥100 mg
23	Parts : blue POM	≥100 mg
24	Parts : sky blue POM	≥100 mg
25	Parts : orange ABS	≥100 mg



Date: 2025-10-21 Page 33 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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
26	Parts : white ABS	≥100 mg
27	Parts : white POM	≥100 mg
28	Parts : clear red PMMA	≥100 mg
29	Parts : clear blue PMMA	≥100 mg
30	Parts : clear yellow PMMA	≥100 mg
31	Wheel: black PE	≥100 mg
32	Tub of wheel: white POM	≥100 mg
33	Parts : pink ABS	≥100 mg
34	Parts : pink POM	≥100 mg
35	Jewel: pink PMMA	≥100 mg
36	Jewel : emerald PMMA	≥100 mg
37	Parts : brown ABS	≥100 mg
38	Parts : brown POM	≥100 mg
39	Parts : gray POM	≥100 mg
40	Parts : lime ABS	≥100 mg
41	Parts : lime POM	≥100 mg
42	Parts : lavender ABS	≥100 mg
43	Parts : lavender POM	≥100 mg
44	Parts : clear PMMA	≥100 mg
45	Cover of container: white PP	≥100 mg
46	Body of container: translucent white PP	≥100 mg
47	Instruction sheet : white paper	≥100 mg
48	Text of container cover : red/yellow coating	35 mg
49	Instruction sheet : red/blue/green/black multicolour coating	≥100 mg



Date: 2025-10-21 Page 34 of 72

No. : HP25100199

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			Ph	thalates co	ntent, %(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	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
20,21,22#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
23,24,25#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
26,27,28#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
29,30,31#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
32,33,34#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
35,36,37#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
38,39,40#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
41,42,43#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
44,45,46#	< 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

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Date: 2025-10-21 Page 35 of 72

No. : HP25100199

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

Campla	Description
Sample	
1	Parts : yellow POM
2	Parts : orange POM
3	Parts : black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts : clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band: black PP
13	Parts : luminous creamy white ABS
14	Jewel: purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts : green ABS
18	Parts : green POM
19	Parts: gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
22*2	Parts : blue ABS
23*2	Parts : blue POM
24*2	Parts : sky blue POM
25* ²	Parts : orange ABS



Date: 2025-10-21 Page 36 of 72

No. : HP25100199

VI. <u>ASTM F963-23</u>

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
26*2	Parts : white ABS
27*2	Parts : white POM
28*2	Parts : clear red PMMA
29* ²	Parts : clear blue PMMA
30*2	Parts : clear yellow PMMA
31*2	Wheel: black PE
32*2	Tub of wheel: white POM
33*2	Parts : pink ABS
34*2	Parts : pink POM
35* ²	Jewel : pink PMMA
36* ²	Jewel : emerald PMMA
37* ²	Parts : brown ABS
38*2	Parts : brown POM
39* ²	Parts : gray POM
40*2	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45*2	Cover of container: white PP
46* ²	Body of container: translucent white PP



Date: 2025-10-21 Page 37 of 72

No. : HP25100199

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 [#] 4,5,6 [#] 7,8,9 [#]	<10	
4,5,6#	<10	
7,8,9#	<10	
10,11,12"	<10	
13,14,15#	<10	
16,17,18#	<10	
19	<10	
20,21,22#	<10	
23,24,25#	<10	
26,27,28 [#]	<10	
29,30,31#	<10	
32,33,34#	<10	
35,36,37 [#]	<10	
38,39,40 [#]	<10	
41,42,43#	<10	
44,45,46#	<10	
47	<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.

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Date: 2025-10-21 Page 38 of 72

No. : HP25100199

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 : yellow POM
2	Parts : orange POM
3	Parts : black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts : clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP
13	Parts : luminous creamy white ABS
14	Jewel: purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts: green ABS
18	Parts: green POM
19	Parts : gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
22*2	Parts : blue ABS
23*2	Parts : blue POM
24*2	Parts : sky blue POM
25*2	Parts : orange ABS
26*2	Parts : white ABS
27*2	Parts : white POM
28*2	Parts : clear red PMMA
29*2	Parts : clear blue PMMA
30*2	Parts : clear yellow PMMA
31*2	Wheel: black PE
32*2	Tub of wheel: white POM
33*2	Parts : pink ABS



Date: 2025-10-21 Page 39 of 72

No. : HP25100199

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
34*2	Parts : pink POM
35* ²	Jewel: pink PMMA
36* ²	Jewel: emerald PMMA
37* ²	Parts: brown ABS
38*2	Parts : brown POM
39*2	Parts : gray POM
40*2	Parts: lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45* ²	Cover of container: white PP
46* ²	Body of container: translucent white PP
47* ²	Instruction sheet : white paper

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*2	<10
2*2	<10



Date: 2025-10-21 Page 40 of 72

No. : HP25100199

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.				Ph	thalates co	ntent, %	(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	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
20,21,22#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
23,24,25#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
26,27,28#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
29,30,31#	< 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 N	Note



Date: 2025-10-21 Page 41 of 72

No. : HP25100199

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
32,33,34#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
35,36,37 [#]	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
38,39,40#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
41,42,43#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
44,45,46#	< 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 N	Vote

Remark:

DBP =Di-n-butyl phthalate BBP =Benzyl-n-butyl phthalate = Di (2-ethylhexyl) phthalate **DEHP DNOP** = Di-n-octyl phthalate DINP = Diisononyl phthalate = Diisodecyl phthalate DIDP DHEXP =Di-n-hexyl phthalate =Diisobutyl phthalate DIBP =Di-n-pentyl phthalate DPENP

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.



Date: 2025-10-21 Page 42 of 72

No. : HP25100199

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 : yellow POM
2	Parts : orange POM
3	Parts : black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts: clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP
13	Parts : luminous creamy white ABS
14	Jewel : purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts: green ABS
18	Parts : green POM
19	Parts : gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
22*2	Parts : blue ABS
23*2	Parts : blue POM
24*2	Parts : sky blue POM
25* ²	Parts : orange ABS
26* ²	Parts: white ABS
27* ²	Parts : white POM
28*2	Parts : clear red PMMA
29*2	Parts : clear blue PMMA
30*2	Parts : clear yellow PMMA
31*2	Wheel: black PE
32*2	Tub of wheel: white POM
33*2	Parts: pink ABS
34*2	Parts : pink POM
35*2	Jewel : pink PMMA
36*2	Jewel : emerald PMMA
37* ²	Parts : brown ABS



Date: 2025-10-21 Page 43 of 72

No. : HP25100199

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
38*2	Parts : brown POM
39* ²	Parts : gray POM
40*2	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45* ²	Cover of container: white PP
46* ²	Body of container: translucent white PP

IX. <u>California Proposition 65: Lead content</u> (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 [#] 4,5,6 [#]	<10
4,5,6#	<10
$7.8.9^{\#}$	<10
10,11,12#	<10
10,11,12 [#] 13,14,15 [#]	<10
16,17,18#	<10
19	<10
20,21,22 [#] 23,24,25 [#]	<10
23,24,25 [#]	<10
26.27.28 [#]	<10
29,30,31 [#] 32,33,34 [#]	<10
32,33,34#	<10
35,36,37 [#]	<10

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Date: 2025-10-21 Page 44 of 72

No. : HP25100199

IX. <u>California Proposition 65: Lead content</u> (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	
38,39,40 [#]	<10
41,42,43#	<10
44,45,46 [#]	<10
47	<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 : yellow POM
2	Parts : orange POM
3	Parts: black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts : clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP



Date: 2025-10-21 Page 45 of 72

No. : HP25100199

IX. California Proposition 65: Lead content

Ref.: Proposition 65 list of chemicals.

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Sample	Description
13	Parts : luminous creamy white ABS
14	Jewel: purple PMMA
15	Jewel: orange PMMA
16	Jewel : lime PMMA
17	Parts: green ABS
18	Parts: green POM
19	Parts : gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
22*2	Parts : blue ABS
23*2	Parts : blue POM
24*2	Parts : sky blue POM
25* ²	Parts : orange ABS
26*2	Parts : white ABS
27*2	Parts : white POM
28*2	Parts : clear red PMMA
29*2	Parts : clear blue PMMA
30*2	Parts : clear yellow PMMA
31*2	Wheel: black PE
32*2	Tub of wheel: white POM
33*2	Parts : pink ABS
34*2	Parts : pink POM
35*2	Jewel : pink PMMA
36*2	Jewel : emerald PMMA
37*2	Parts : brown ABS
38*2	Parts : brown POM
39*2	Parts : gray POM
40*2	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45*2	Cover of container : white PP
46*2	Body of container: translucent white PP
47* ²	Instruction sheet: white paper



Date: 2025-10-21 Page 46 of 72

No. : HP25100199

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*2	<10
2*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



Date: 2025-10-21 Page 47 of 72

No. : HP25100199

X. <u>California Proposition 65: Phthalates content</u> (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	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
20,21,22#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
23,24,25#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
26,27,28#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
29,30,31#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
32,33,34#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
35,36,37#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
38,39,40#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
41,42,43#	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
44,45,46#	< 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.



Date: 2025-10-21 Page 48 of 72

No. : HP25100199

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. <u>California Proposition 65: Phthalates content</u>

Ref.: Proposition 65 list of chemicals.

Determined by: Gas Chromatography Mass Spectrometer

Sample	Description
1	Parts : yellow POM
2	Parts : orange POM
3	Parts : black ABS
4	Parts/long shaft/mini shaft/ball joint/joint/mini wheel : black POM
5	Parts : clear blue PC
6	Parts : yellow ABS
7	Parts : sky blue ABS
8	Parts: clear red PC
9	Parts : clear yellow PC
10	Parts : clear PC
11	Jewel : aqua PMMA
12	Head band : black PP
13	Parts : luminous creamy white ABS
14	Jewel: purple PMMA
15	Jewel : orange PMMA
16	Jewel : lime PMMA
17	Parts: green ABS
18	Parts: green POM
19	Parts : gray ABS
20*2	Parts : red ABS
21*2	Parts : red POM
22*2	Parts : blue ABS
23*2	Parts : blue POM
24*2	Parts : sky blue POM
25*2	Parts : orange ABS
26*2	Parts : white ABS
27*2	Parts : white POM
28*2	Parts : clear red PMMA
29*2	Parts : clear blue PMMA



Date: 2025-10-21 Page 49 of 72

No. : HP25100199

X. <u>California Proposition 65: Phthalates content</u>

Ref.: Proposition 65 list of chemicals.

Determined by: Gas Chromatography Mass Spectrometer

Sample	Description
30*2	Parts : clear yellow PMMA
31* ²	Wheel: black PE
32*2	Tub of wheel: white POM
33*2	Parts : pink ABS
34*2	Parts : pink POM
35* ²	Jewel : pink PMMA
36* ²	Jewel: emerald PMMA
$37*^2$	Parts: brown ABS
38*2	Parts : brown POM
39* ²	Parts : gray POM
40*2	Parts : lime ABS
41*2	Parts : lime POM
42*2	Parts : lavender ABS
43*2	Parts : lavender POM
44*2	Parts : clear PMMA
45* ²	Cover of container: white PP
46*2	Body of container: translucent white PP



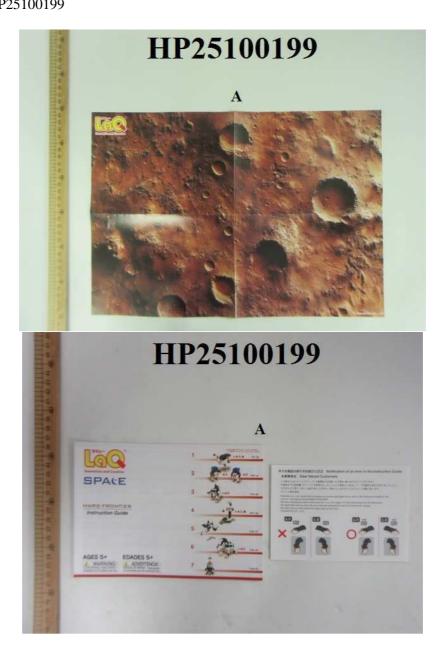
Date: 2025-10-21 Page 50 of 72 **No.**: HP25100199

Appendix for Photos of the Submitted Sample





Date: 2025-10-21 Page 51 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 52 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 53 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 54 of 72 **No.**: HP25100199



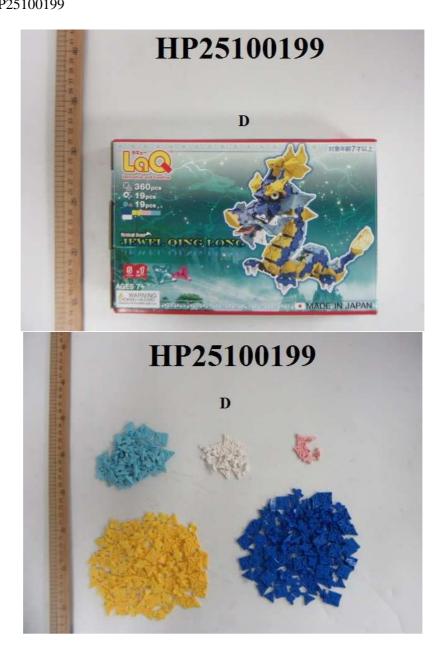


Date: 2025-10-21 Page 55 of 72 **No.**: HP25100199



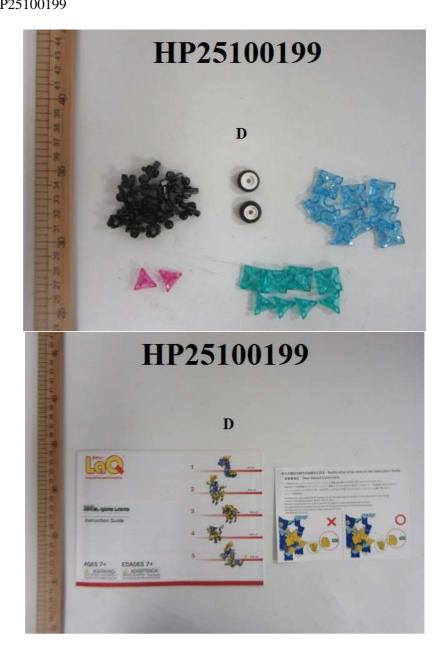


Date: 2025-10-21 Page 56 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 57 of 72 **No.**: HP25100199



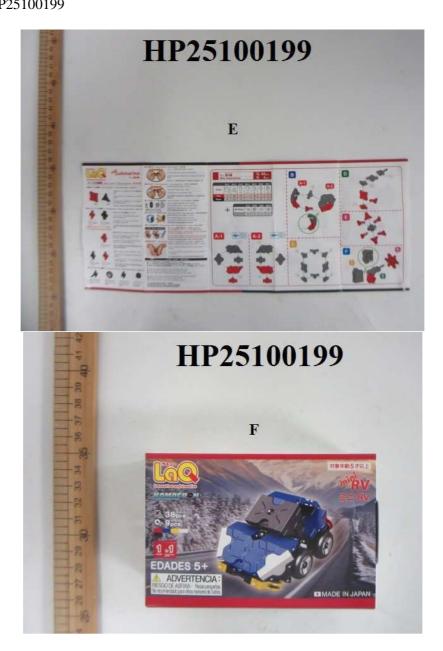


Date: 2025-10-21 Page 58 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 59 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 60 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 61 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 62 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 63 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 64 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 65 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 66 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 67 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 68 of 72





Date: 2025-10-21 Page 69 of 72



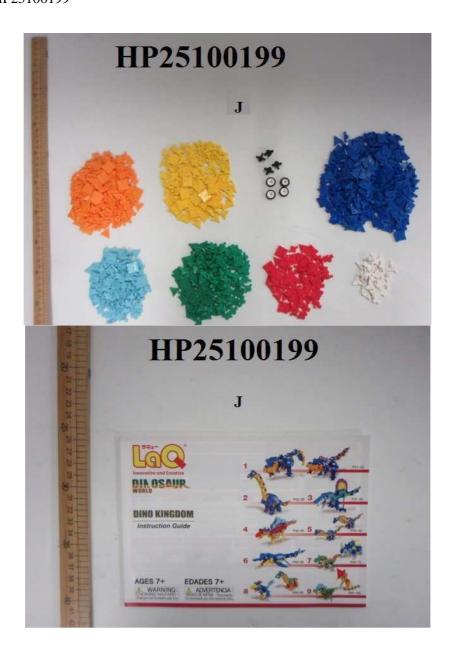


Date: 2025-10-21 Page 70 of 72 **No.**: HP25100199



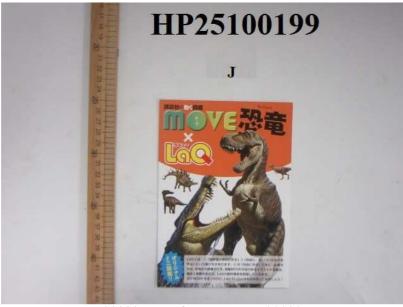


Date: 2025-10-21 Page 71 of 72 **No.**: HP25100199





Date: 2025-10-21 Page 72 of 72 **No.**: HP25100199



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

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- 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").
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- 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.
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- 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.