

# TEST REPORT

Applicant: BASIC FUN, INC.  
301 YAMATO ROAD SUITE 4200  
BOCA RATON FLORIDA 33431  
USA

Number: HKGH02787104 S1

Date: Mar 25, 2022

Attn: JOHN ZIMMER

*This is to supersede Report No. HKGH02787104 dated Oct 12, 2021 due to information update*

Submitted sample said to be :  
Item name : **STEM EXPLORATIONS ROLLER COASTER BUILDING SET**  
Style no. : 77078  
Quantity : 3 sets  
Labelled age group : "8+"  
Appropriate age grade for testing : Ages over 8 years  
Age grading for testing : Ages over 8 years  
Packaging provided : Yes.  
Manufacturer : Herald Metal & Plastic Co Ltd. (Dong Guang)  
Place of manufacture : Sha tang Pu Xin Zone, Shipai Town, Donguang City, Guangdong Province  
China 523338.  
UPC code : 744476770783  
Date code on Packaging : 0521168  
Country of origin : Packaged in China  
TRF No. : KNXPLT2106016  
Date Sample Received : Jun 29, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
Testing Period : Jun 29, 2021 to Mar 24, 2022

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For and on behalf of :  
Intertek Testing Services HK Ltd.



Cindy I.K. Chan  
Vice President



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**Conclusion:**

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) U.S. ASTM F963-17 - Physical and Mechanical tests	Pass
(2) ASTM F963-17 - Flammability Test of Materials other than textile materials	Pass
(3) ASTM F963-17 - Total Lead content	Pass
(4) ASTM F963-17 - Soluble heavy elements test ∞	Pass
(5) U.S. CFR Title 16 (CPSC Regulations) - Part 1500.48 Sharp point test - Part 1500.49 Sharp edge test	Not applicable
(6) U.S. CFR Title 16 (CPSC Regulations) - Part 1500.3(c)(6)(vi) - Flammability test on rigid and pliable solids	Pass
(7) Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 - Tracking labels for children products	Pass
(8) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in non-surface coating materials (substrate)	Pass
(9) U.S. CFR Title 16 (CPSC Regulations) - Part 1303 - Total Lead content in surface coating	Pass
U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Pass
(10) California Proposition 65 for toys, Consent Judgement no. RG-356892 - Lead content	Pass
(11) Illinois Lead Poisoning Prevention Act 410 ILCS 45 - Total Lead content	Pass
(12) US CPSC 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates - Phthalate content	Pass
(13) California Health and Safety Code, Part 3 of Division 104, Chapter 11(AB1108). - Requirement on phthalate	Pass

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<u>Requirement</u>	<u>Result</u>
(14) California Proposition 65 for Toys (designed for or reasonable used by children under six years of age), Consent judgment no. BG-350969 - Phthalate content	Pass
(15) Model Toxics in Packaging Legislation (packaging materials) - Toxic elements test	Not Applicable
(16) Labeling review for toys: - The Packaging and Labeling Requirements of The Uniform Packaging and Labeling Regulation.	Pass
(17) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019) section 21 - Celluloid or Cellulose nitrate	Pass
(18) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019) - Mechanical and physical test	Pass
(19) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 23 with amendments SOR/2016-195 - Toxic elements test	Pass
(20) Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead content test	Pass
(21) Canada Products Containing Mercury Regulations SOR/2014-254 - Total Mercury Content	Pass
(22) Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 Section 2 & 5 - Lead and Mercury content test	Pass
(23) Phthalates Regulations SOR/2016-188 Section 2 & 3(1) - Phthalate content	Pass
(24) Consumer Packaging and Labelling Act and Regulations (C.R.C. c417, with amendment). Marking assessment on - Product identity / description - Name and address of dealer - Net quantity in correct unit  The Charter of French Language, Title I, Chapter VII, Clause 51 (Quebec) - Language use of Warnings, cautions, Instruction of use, where applicable  Quebec Regulation Respecting Stuffing and Upholstered and Stuffed Articles - Format of Upholstered and Stuffed Article Label  Canada Customs Tariff, Marking of Imported Goods Regulations, SOR/94-16 - Country of origin marking	See details enclosed

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<u>Requirement</u>	<u>Result</u>
(25) BS EN 71-1:2014 + A1:2018 / EN 71-1:2014 + A1:2018 - Mechanical and physical properties	Pass
(26) BS EN 71-2:2011 + A1:2014 / EN 71-2:2011 + A1:2014 - Flammability Test	Pass
(27) BS EN 71-2:2020 / EN 71-2:2020 - Flammability Test	Pass
(28) EN 71-3 : 2019 + A1 : 2021 - Migration of certain elements	Pass
(29) BS EN 71-3 : 2019 + A1 : 2021 - Migration of certain elements	Pass
(30) EN 71-3:2019 and Directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021 - Migration of certain elements	Pass
(31) BS EN71-3:2019 and Directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021 - Migration of certain elements	Pass
(32) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(33) Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) - Cadmium content requirement	Pass
(34) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. 552/2009 & 2018/2005 - Phthalates content	Pass
(35) REACH Regulation (EC) no. 1907/2006, Annex XVII, Item 51 & 52 & amendment no. 552/2009 & 2018/2005 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Phthalates content	Pass
(36) REACH Regulation (EC) No. 1907/2006, Annex XVII item 20 & amendment (EU) No. 276/2010 - Organotin content requirement	Pass

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Requirement	Result
(37) REACH Regulation (EC) No. 1907/2006, Annex XVII, Item 20 & amendment no. 276/2010 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Organotin content requirement	Pass
(38) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass
(39) REACH Regulation (EC) no. 1907/2006 & amendment no. 1272/2013, Annex XVII, Item 50 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Polycyclic aromatic hydrocarbons content	Pass
(40) GS Certification - Polycyclic Aromatic Hydrocarbons (PAHs) as per AfPS GS 2019:01 PAK	Pass
(41) EN IEC 62115 : 2020 + A11 : 2020 Safety of electric toys	Pass (Subjected to remark enclosed)
(42) Marking requirement in article 15 (2) of WEEE Directive 2012/19/EU	Pass (Subjected to remark enclosed)
(43) RoHS Directive (2011/65/EU) - Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment	Pass
(44) Restricted Substances Content Requirement in Regulation 3(1) of the The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012 No. 3032) as amended - Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment	Pass
(45) RoHS Directive (2011/65/EU) and amendment Commission Delegated Directive (EU) 2015/863 - Phthalates content	Pass
(46) Restricted Substances Content Requirement in Regulation 3(1) of The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012 No. 3032) as amended - Phthalates content	Pass
(47) Australian / New Zealand standard AS/NZS ISO 8124-1:2019 + Amd 1:2020 + Amd 2:2020 - Safety aspects related to mechanical and physical properties	Pass

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Requirement	Result
(48) Australian/New Zealand Standard AS/NZS 8124.2: 2016 - Flammability test	Pass
(49) AS/NZS ISO 8124-3:2003 (Australian Trade Practice Act 1974 with Consumer Protection Notice no. 1, 2009 - Consumer Product Safety Standard for Lead and certain elements in children's toys.) - Toxic elements test ∞	Pass
Australian Customs Notice no. 2007/46 - amendments to the Customs (Prohibited Imports) Regulations 1956 Schedule 2 Item 2 - Toxic elements test ∞	Pass
AS/NZS ISO 8124-3:2021 - Toxic elements test ∞	Pass

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Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.qrd.by/decision-rule-doc>.  
If decision rule already in hered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

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Number : HKGH02787104 S1

(1) Physical and Mechanical Tests

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-17

Age group for testing : For Ages Over 8 Years

Clause	Requirement	Assessment
4.1	Material quality	P
4.5	Sound producing toys	NA
4.6.1	Toys intended for children under 36 months of age	NA
4.6.2	Mouth actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months - Small part warning	NA
4.7	Accessible edges	NA
4.8	Projection	NA
4.9	Accessible points	NA
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	P
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and overload requirement	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles (96 months of age or less)	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery operated toys	P
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispherical shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling requirements	P
6	Instructional literature	P
7	Producer's marking	
	- Name of producer / distributor	Yes
	- Address	Yes



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Abbreviation : P = Pass NA = Not Applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Date sample received : Jun 29, 2021  
 Test Period : Jun 29, 2021 to Jul 05, 2021

(2) Flammability Tests

Test Standard : Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

<u>Sample</u>	<u>Ignition point</u>	<u>Burn length</u> <u>(inch)</u>	<u>Time (sec)</u>	<u>Burn Rate</u> <u>(inch/sec)</u>	<u>Limit (inch/sec)</u>
Rod	end	2.0	60	0.03	0.10

The above result only showed the most severe burn rate of the samples and components.

Date sample received : Jun 29, 2021  
 Test Period : Jun 29, 2021 to Jul 05, 2021

(3) Total Lead (Pb) Content

Test Method : CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1, analysed by Inductively Coupled Argon Plasma Spectrometry.

Coating:

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit in ppm</u>
(1)	<20	90
(6)	<20	90
(37)	<20	90

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Substrate:

Tested Component	Result in ppm	Limit in ppm
(2)	<20	100
(3)	<20	100
(4)	<20	100
(5)	<20	100
(7)	<20	100
(8)	<20	100
(9)	<20	100
(10)	<20	100
(11)	<20	100
(12)	<20	100
(13)	<20	100
(14)	<20	100
(15)	<20	100
(16)	<20	100
(17)	<20	100
(18)	<20	100
(19)	<20	100
(20)	<20	100
(21)	<20	100
(22)	<20	100
(23)	<20	100
(24)	<20	100
(25)	<20	100
(26)	<20	100
(27)	<20	100
(28)	<20	100
(29)	<20	100
(30)	<20	100
(31)	<20	100
(32)	<20	100
(33)	<20	100
(34)	<20	100
(35)	<20	100
(36)	<20	100
(38)	<20	100
(39)	<20	100
(40)	<20	100

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The above limit was quoted according to Section 4.3.5.1 (1) and 4.3.5.2 (2)(a) of the ASTM standard Consumer Safety Specification for Toy Safety F963-17.

ppm = parts per million = mg/kg

### Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Silver color metal (screw - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (6) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).
- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).

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Tested Components:

- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (40) Silver color metal (axle #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021  
 Test Period : Sep 28, 2021 to Mar 24, 2022

(4) Heavy Elements Analysis

Test Method : Acid extraction and analysed by Inductively Coupled Argon Plasma Spectrometry.

Materials other than modelling clay:

	Result (ppm)			Limit (ppm)
	(1)	(2)	(3)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

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	Result (ppm)			Limit (ppm)
	(4)	(5)	(6)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(7)	(8)	(9)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(10)	(11)	(12)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(13)	(14)	(15)	
Soluble Barium (Ba)	<5	<5	31	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

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	Result (ppm)			Limit (ppm)
	(16)	(17)	(18)	
Soluble Barium (Ba)	80	43	36	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(19)	(20)	(21)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(22)	(23)	(24)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(25)	(26)	(27)	
Soluble Barium (Ba)	<5	45	64	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

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	Result (ppm)			Limit (ppm)
	(28)	(29)	(30)	
Soluble Barium (Ba)	62	75	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(31)	(32)	(33)	
Soluble Barium (Ba)	70	46	61	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(34)	(35)	(36)	
Soluble Barium (Ba)	71	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)		Limit (ppm)
	(38)	(39)	
Soluble Barium (Ba)	<5	<5	1000
Soluble Lead (Pb)	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	75
Soluble Antimony (Sb)	<5	<5	60
Soluble Selenium (Se)	<5	<5	500
Soluble Chromium (Cr)	<5	<5	60
Soluble Mercury (Hg)	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	25

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted according to Section 8.3.2, 8.3.3, 8.3.4 and 8.3.5 of the ASTM standard Consumer Safety Specification for Toy Safety F963-17.

ppm = parts per million = mg/kg

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

**Tested Components:**

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (6) White thread (binding of Herald Instructions).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).
- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) @ Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Decision Rule:

∞ : Materials are deemed to comply with the requirements if the adjusted analytical result is less than or equal to the limit of this table.

The analytical result of materials shall be adjusted by subtracting the analytical correction in below table to obtain an adjusted analytical of result.

Elements	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction(%)	60	60	30	30	30	30	50	60

Date sample received : Sep 28, 2021  
 Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(5) Mechanical and Physical Test

Test Standard : U.S. code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Age group for testing : For Ages Over 8 Years

The physical and mechanical tests requirements of U.S. Consumer Products Safety Commission for toys and articles intended for use by the children specified in U.S. Code of Federal Regulations Title 16, Part 1500.48, 1500.49 and 1501 are only for children under 8 years of age. Therefore, the submitted sample was found not applicable.

Abbreviation : P= Pass F = Fail NA = Not applicable

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

(6) Flammability Tests

Test Standard : U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

<u>Sample</u>	<u>Ignition point</u>	<u>Burn length</u> <u>(inch)</u>	<u>Time (sec)</u>	<u>Burn Rate</u> <u>(inch/sec)</u>	<u>Limit (inch/sec)</u>
Rod	end	2.0	60	0.03	0.10

The above result only showed the most severe burn rate of the samples and components.

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(7) Tracking Label Assessment

Test Standard : Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 tracking labels for children products.

Tracking label found on the packaging:

- K'NEX UK Ltd
- 0521168

Tracking label found on the product:

- K'nex
- 0521097

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(8) Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method : Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	100
(2)	<20	100
(3)	<20	100
(4)	<20	100
(5)	<20	100
(6)	<20	100
(7)	<20	100
(8)	<20	100
(9)	<20	100
(10)	<20	100
(11)	<20	100
(12)	<20	100
(13)	<20	100
(14)	<20	100
(15)	<20	100
(16)	<20	100
(17)	<20	100
(18)	<20	100
(19)	<20	100
(20)	<20	100
(21)	<20	100
(22)	<20	100
(23)	<20	100
(24)	<20	100
(25)	<20	100
(26)	<20	100
(27)	<20	100
(28)	<20	100
(29)	<20	100
(30)	<20	100
(31)	<20	100
(32)	<20	100
(33)	<20	100
(34)	<20	100
(35)	<20	100
(36)	<20	100
(37)	<20	100

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101.

ppm = parts per million = mg/kg

### Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Silver color metal (screw - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Translucent white plastic (Resin #X0018).
- (6) Translucent white plastic (Resin #X0036).
- (7) White plastic (Resin #X0052).
- (8) Translucent white/black plastic (Resin #X0090).
- (9) Shiny black plastic (Resin #X0123).
- (10) White plastic (Resin #X0129).
- (11) Beige plastic (Resin #X0169).
- (12) Translucent white plastic (Resin #X0182).
- (13) Lime green plastic (Colorant #Y0087).
- (14) Red plastic (Colorant #Y0123).
- (15) White plastic (Colorant #Y0136).
- (16) Fluorescent yellow plastic (Colorant #Y0156).
- (17) Silver color plastic (Colorant #Y0188).
- (18) Deep blue plastic (Colorant #Y0192).
- (19) Silver color plastic (Colorant #Y0207).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (20) Blue plastic (Colorant #Y0218).
- (21) Shiny black plastic (Colorant #Y0255).
- (22) Black plastic (Colorant #Y0322).
- (23) Dull black plastic (Colorant #Y0324).
- (24) Light grey plastic (Colorant #Y0336).
- (25) Light tan color plastic (Colorant #Y0345).
- (26) Deep purple plastic (Colorant #Y0352).
- (27) Dark grey plastic (Colorant #Y0353).
- (28) Dark green plastic (Colorant #Y0354).
- (29) Orange plastic (Colorant #Y0355).
- (30) Deep blue plastic (Colorant #Y0356).
- (31) Dull orange plastic (Colorant #Y0357).
- (32) Dark red plastic (Colorant #Y0363).
- (33) Dull yellow plastic (Colorant #Y0369).
- (34) Slate blue plastic (Colorant #Y0390).
- (35) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (36) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (37) Silver color metal (axle #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021  
Test Period : Sep 28, 2021 to Mar 24, 2022

(9) Total Lead (Pb) Content in Surface Coating

Test Method : Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, test method CPSC-CH-E1003-09.1, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	90
(2)	<20	90
(3)	<20	90

The Above limit was quoted according to U.S. CFR Title 16 Part 1303 and U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101.

ppm = parts per million = mg/kg

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (3) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021  
 Test Period : Sep 28, 2021 to Mar 24, 2022

(10) Total Lead (Pb) content

Test Method : Acid digestion and analysed by Inductively Coupled Argon Plasma Spectrometry.

Coating:

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	<0.0020	0.009
(6)	<0.0020	0.009
(37)	<0.0020	0.009

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# TEST REPORT

Number : HKGH02787104 S1

Substrate:

Tested Component	Result in %, w/w	Limit in %, w/w
(2)	<0.0020	0.010
(3)	<0.0020	0.010
(4)	<0.0020	0.010
(5)	<0.0020	0.010
(7)	<0.0020	0.010
(8)	<0.0020	0.010
(9)	<0.0020	0.010
(10)	<0.0020	0.010
(11)	<0.0020	0.010
(12)	<0.0020	0.010
(13)	<0.0020	0.010
(14)	<0.0020	0.010
(15)	<0.0020	0.010
(16)	<0.0020	0.010
(17)	<0.0020	0.010
(18)	<0.0020	0.010
(19)	<0.0020	0.010
(20)	<0.0020	0.010
(21)	<0.0020	0.010
(22)	<0.0020	0.010
(23)	<0.0020	0.010
(24)	<0.0020	0.010
(25)	<0.0020	0.010
(26)	<0.0020	0.010
(27)	<0.0020	0.010
(28)	<0.0020	0.010
(29)	<0.0020	0.010
(30)	<0.0020	0.010
(31)	<0.0020	0.010
(32)	<0.0020	0.010
(33)	<0.0020	0.010
(34)	<0.0020	0.010
(35)	<0.0020	0.010
(36)	<0.0020	0.010
(38)	<0.0020	0.010
(39)	<0.0020	0.010
(40)	<0.0020	0.010

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted from the Consent Judgement no. RG-356892 settled by Superior Court of the State of California for the County of Alameda, for toys based on the California Proposition 65.

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Silver color metal (screw - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (6) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (7) Translucent white plastic (Resin #X0018).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).
- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (40) Silver color metal (axle #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(11) Total Lead (Pb) content

Test Method : Illinois Lead Poisoning Prevention Act 410 ILCS 45, acid digestion method and analysed by Inductively Coupled Argon Plasma Spectrometry.

Coating:

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	<0.0020	0.009
(6)	<0.0020	0.009
(37)	<0.0020	0.009

Substrate:

Tested Component	Result in %, w/w	Limit in %, w/w
(2)	<0.0020	0.010
(3)	<0.0020	0.010
(4)	<0.0020	0.010
(5)	<0.0020	0.010
(7)	<0.0020	0.010
(8)	<0.0020	0.010
(9)	<0.0020	0.010
(10)	<0.0020	0.010
(11)	<0.0020	0.010
(12)	<0.0020	0.010
(13)	<0.0020	0.010
(14)	<0.0020	0.010
(15)	<0.0020	0.010
(16)	<0.0020	0.010
(17)	<0.0020	0.010
(18)	<0.0020	0.010
(19)	<0.0020	0.010
(20)	<0.0020	0.010
(21)	<0.0020	0.010
(22)	<0.0020	0.010
(23)	<0.0020	0.010
(24)	<0.0020	0.010
(25)	<0.0020	0.010
(26)	<0.0020	0.010
(27)	<0.0020	0.010
(28)	<0.0020	0.010
(29)	<0.0020	0.010
(30)	<0.0020	0.010
(31)	<0.0020	0.010
(32)	<0.0020	0.010
(33)	<0.0020	0.010
(34)	<0.0020	0.010
(35)	<0.0020	0.010

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# TEST REPORT

Number : HKGH02787104 S1

Substrate:

Tested Component	Result in %, w/w	Limit in %, w/w
(36)	<0.0020	0.010
(38)	<0.0020	0.010
(39)	<0.0020	0.010
(40)	<0.0020	0.010

Warning statement limit for coating = 0.0040%

The above limit was quoted according to Illinois Lead Poisoning Prevention Act 410 ILCS 45.

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Silver color metal (screw - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (6) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).
- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (40) Silver color metal (axle #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(12) Phthalate Content Test

Test Method : Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.4 was used and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (% w/w)			Limit (% w/w)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(7)	(8)	(9)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(10)	(11)	(12)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(16)	(17)	(18)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(19)	(20)	(21)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(36)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(37)	(38)	(39)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	<0.015	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	<0.01	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<0.01	<0.01	<0.01	0.1

The above limits are quoted from Federal Register, Vol. 82, No. 207, October 27, 2017, Rules and Regulations, Final rule for 16 CFR Part 1307 "Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates" effective from April 25, 2018.

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (36) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (37) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(13) Phthalate Content Test

Test Method : Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.4 was used and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Three Phthalate content:

Compound	Result (% w/w)			Limit (% w/w)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(7)	(8)	(9)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(10)	(11)	(12)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(16)	(17)	(18)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(19)	(20)	(21)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(36)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(37)	(38)	(39)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(40)	(41)	(42)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(43)	(44)	(45)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)		Limit (% w/w)
	(46)	(47)	
Dibutyl phthalate (DBP)	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	0.1

The above limit was quoted according to California Health and Safety Code, Part 3 of Division 104, Chapter 11 prohibiting the sales of toys and child care articles made with phthalates (AB1108).

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (36) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (39) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (44) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (45) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (47) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(14) Phthalate Content Test

Test Method : Solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (% w/w)			Limit (% w/w)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(7)	(8)	(9)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(10)	(11)	(12)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(16)	(17)	(18)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(19)	(20)	(21)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (%, w/w)			Limit (%, w/w)
	(31)	(32)	(33)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (%, w/w)			Limit (%, w/w)
	(34)	(35)	(36)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

Compound	Result (%, w/w)			Limit (%, w/w)
	(37)	(38)	(39)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DNHP)	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--

The above limit was quoted from the Consent Judgment no. BG-350969 settled by superior court of the state of California for the county of Alameda, for Toys (designed for or reasonable used by children under six years of age) set based on the California Proposition 65.

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (36) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (37) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
Test Period : Jun 29, 2021 to Mar 14, 2022

(15) Toxic Elements Analysis

Test Method : Model Toxics in Packaging Legislation requirement of packaging and packaging components, acid digestion method was used and toxic elements contents were determined by Inductively Coupled Argon Plasma Spectrometry, and Hexavalent Chromium content was determined by UV-Visible Spectrophotometry.

Assessment : Not Applicable

Date sample received : Sep 28, 2021  
Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(16) Labeling Review for Toys

Evaluation	Criteria	Results Pass/Fail																		
<b>USA</b>																				
Uniform Packaging And Labeling Act  16 CFR 500 Fair Packaging and Labeling Act	Manufacturer, packer, or distributor name & address: City, state & zip Product identification Net contents/US & metric/location/font size <b>Minimum height of number and letter</b> <b>Area of principal display panel</b> <table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;"><b>printed</b></td> <td style="text-align: center;"><b>molded</b></td> </tr> <tr> <td>&lt;32 cm<sup>2</sup> (5 in<sup>2</sup>)</td> <td style="text-align: center;">1.6 mm (1/16in)</td> <td style="text-align: center;">3.2 mm (1/8in)</td> </tr> <tr> <td>&gt;32 cm<sup>2</sup> but &lt;161 cm<sup>2</sup> (25 in<sup>2</sup>)</td> <td style="text-align: center;">3.2 mm (1/8in)</td> <td style="text-align: center;">4.8 mm (3/16in)</td> </tr> <tr> <td>&gt;161 cm<sup>2</sup> but &lt;645 cm<sup>2</sup> (100 in<sup>2</sup>)</td> <td style="text-align: center;">4.8 mm (3/16in)</td> <td style="text-align: center;">6.4 mm (1/4 in)</td> </tr> <tr> <td>&gt;645 cm<sup>2</sup> but &lt;25.8 dm<sup>2</sup> (400in<sup>2</sup>)</td> <td style="text-align: center;">6.4 mm (1/4 in)</td> <td style="text-align: center;">7.9 mm (5/16in)</td> </tr> <tr> <td>&gt;25.8 dm<sup>2</sup> (400in<sup>2</sup>)</td> <td style="text-align: center;">12.7 mm (1/2 in)</td> <td style="text-align: center;">14.3 mm (9/16 in)</td> </tr> </table> "Regulations under section 4 of the Fair Packaging and Labeling Act" <b>Only for non toy and toys or components of toys that are meant to be used-up and are not an exemption. (i.e. art materials)</b>		<b>printed</b>	<b>molded</b>	<32 cm <sup>2</sup> (5 in <sup>2</sup> )	1.6 mm (1/16in)	3.2 mm (1/8in)	>32 cm <sup>2</sup> but <161 cm <sup>2</sup> (25 in <sup>2</sup> )	3.2 mm (1/8in)	4.8 mm (3/16in)	>161 cm <sup>2</sup> but <645 cm <sup>2</sup> (100 in <sup>2</sup> )	4.8 mm (3/16in)	6.4 mm (1/4 in)	>645 cm <sup>2</sup> but <25.8 dm <sup>2</sup> (400in <sup>2</sup> )	6.4 mm (1/4 in)	7.9 mm (5/16in)	>25.8 dm <sup>2</sup> (400in <sup>2</sup> )	12.7 mm (1/2 in)	14.3 mm (9/16 in)	P
	<b>printed</b>	<b>molded</b>																		
<32 cm <sup>2</sup> (5 in <sup>2</sup> )	1.6 mm (1/16in)	3.2 mm (1/8in)																		
>32 cm <sup>2</sup> but <161 cm <sup>2</sup> (25 in <sup>2</sup> )	3.2 mm (1/8in)	4.8 mm (3/16in)																		
>161 cm <sup>2</sup> but <645 cm <sup>2</sup> (100 in <sup>2</sup> )	4.8 mm (3/16in)	6.4 mm (1/4 in)																		
>645 cm <sup>2</sup> but <25.8 dm <sup>2</sup> (400in <sup>2</sup> )	6.4 mm (1/4 in)	7.9 mm (5/16in)																		
>25.8 dm <sup>2</sup> (400in <sup>2</sup> )	12.7 mm (1/2 in)	14.3 mm (9/16 in)																		
USA Country Of Origin 19 CFR 134.11	Shall be marked with the country of origin when imported into the U.S. in a conspicuous place to indicate to the ultimate purchaser in the U.S., the English name of the country of origin. <ul style="list-style-type: none"> <li>• All individually packaged items shall contain the country of origin</li> <li>• All items shipped in bulk or displayed in bulk must contain the country of origin</li> </ul>	P																		
Stuffed Toy Labeling PA / MA / OH Stuffed Toy Law	Stuffing toys shall have a tab or label securely affixed which containing the following information, which shall be clearly legible and in sufficient size: <ul style="list-style-type: none"> <li>• A statement that "All New Material" was used present / absent</li> <li>• Type of material present / absent</li> <li>• The assigned state registration number (PA at a minimum) present / absent</li> <li>• Filling material shall be designated by its generic term (47.311). present / absent</li> </ul> Material claim on label =  Material inside product =	NA																		

Date sample received : Jun 29, 2021  
 Test Period : Jun 29, 2021 to Jul 06, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(17) Celluloid or Cellulose Nitrate

Test Standard : Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019) section 21

	<u>Assessment</u>	<u>Requirements</u>
Cellulose Nitrate / Celluloid	Absent	Absent

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

(18) Physical and Mechanical Tests

Test Standard : Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019)

Age group for testing : For Ages Over 8 Years

The submitted samples were undergone the use and abuse tests in accordance with the Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019):

Test	Parameter
Drop test	4 x (0.909 +/- 0.005) m
Pull test	42.5 +/- 2 N
Push test	42.5 +/- 2 N

Clause	Requirement	Assessment
3	General - English and French Bilingual Statement	P
4	Packaging	P
5	Electrically operated toys	NA
6	Electrically heated toys	NA
7	Small parts	NA
8	Metal edges	P
9	Wire Frames	P
10	Plastic Edges	P
11	Wooden Surfaces, Edges and Corners	NA
12	Glass	NA
13	Fasteners	P
14	Folding Mechanisms, Bracket or Bracing	NA
15	Spring-Wound Driving Mechanism	NA
16	Projectile Components	NA
17	Toys which a child can enter and which can be closed by a lid or door	NA
18	Stationary toy that is intended to bear the weight of a child	NA
19	Noise limit	P
20	Heated surfaces, parts or substances	P
28	Fastening to attach parts, Clothing or Ornamentation	NA
29	Stuffing Materials	NA
	(a) Clean and free from vermin	NA
	(b) Free from Hard and Sharp Foreign Matter	NA
30	Small parts - Squeaker, Reed, Valve or other similar device	NA
31	Eyes or nose	NA
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	NA



# TEST REPORT

Number : HKGH02787104 S1

Clause	Requirement	Assessment
37	Pull and Push Toys that has a shaft-like handle	NA
38	Toy Steam Engines Boilers	NA
39	Finger Paints	NA
40	Rattle	NA
41	Elastic	NA
42	Yo-Yo Type Balls	NA
	(a) Stretchable cord	NA
	(b) Similar product	NA
43	Magnetic toys	NA
44	Warning of magnetic toys	NA

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(19) Toxic Elements Analysis

Test Method : In house method(TC003.TP), microwave digestion and total Pb content determined by ICP-OES.(TC003.TP) and Health Canada Product Safety Laboratory Reference Manual Book 5-Laboratory Policies and Procedures Part B:Test Methods Section, Method C03. (with modifications by direct analysis using ICP-OES after filtration of leachate), determination of leachable As, Se, Cd, Sb and Ba in applied coating (2014-02-20). In house method(TC066.TP), microwave digestion and total Hg content determined by ICP-MS.

	Result (%, w/w)			Limit (%, w/w)
	(1)	(2)	(3)	
Total Lead (Pb)	<0.001	<0.001	<0.001	0.009
Total Mercury (Hg)	ND	ND	ND	ND
Sol. Cadmium (Cd)	<0.001	<0.001	<0.001	0.100
Sol. Antimony (Sb)	<0.001	<0.001	<0.001	0.100
Sol. Selenium (Se)	<0.001	<0.001	<0.001	0.100
Sol. Arsenic (As)	<0.001	<0.001	<0.001	0.100
Sol. Barium (Ba)	<0.001	<0.001	<0.001	0.100

Sol. : Soluble

ND : Not detected

Detection limit : 0.0000078 (%, w/w)

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 23 with amendments SOR/2016-195.

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (3) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(20) Total Lead (Pb) Content

Test Standard : Acid digestion method was used and Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in mg/kg	Limit in mg/kg
(1)	<20	90
(2)	<20	90
(3)	<20	90
(4)	<20	90
(5)	<20	90
(6)	<20	90
(7)	<20	90
(8)	<20	90
(9)	<20	90
(10)	<20	90
(11)	<20	90
(12)	<20	90
(13)	<20	90
(14)	<20	90
(15)	<20	90
(16)	<20	90
(17)	<20	90
(18)	<20	90
(19)	<20	90
(20)	<20	90
(21)	<20	90
(22)	<20	90
(23)	<20	90
(24)	<20	90
(25)	<20	90
(26)	<20	90
(27)	<20	90
(28)	<20	90
(29)	<20	90
(30)	<20	90
(31)	<20	90
(32)	<20	90
(33)	<20	90
(34)	<20	90
(35)	<20	90
(36)	<20	90
(37)	<20	90
(38)	<20	90
(39)	<20	90
(40)	<20	90
(41)	<20	90
(42)	<20	90
(43)	<20	90

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2018-83.

mg/kg = milligram per kilogram

### Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (6) Silver color metal (screw - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (7) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (8) Paper sheet excluding coatings (INX06 - (Herald Instructions)).
- (9) White thread (binding of Herald Instructions).
- (10) Translucent white plastic (Resin #X0018).
- (11) Translucent white plastic (Resin #X0036).
- (12) White plastic (Resin #X0052).
- (13) Translucent white/black plastic (Resin #X0090).
- (14) Shiny black plastic (Resin #X0123).
- (15) White plastic (Resin #X0129).
- (16) Beige plastic (Resin #X0169).
- (17) Translucent white plastic (Resin #X0182).
- (18) Lime green plastic (Colorant #Y0087).
- (19) Red plastic (Colorant #Y0123).
- (20) White plastic (Colorant #Y0136).
- (21) Fluorescent yellow plastic (Colorant #Y0156).
- (22) Silver color plastic (Colorant #Y0188).
- (23) Deep blue plastic (Colorant #Y0192).
- (24) Silver color plastic (Colorant #Y0207).
- (25) Blue plastic (Colorant #Y0218).
- (26) Shiny black plastic (Colorant #Y0255).
- (27) Black plastic (Colorant #Y0322).
- (28) Dull black plastic (Colorant #Y0324).
- (29) Light grey plastic (Colorant #Y0336).
- (30) Light tan color plastic (Colorant #Y0345).
- (31) Deep purple plastic (Colorant #Y0352).
- (32) Dark grey plastic (Colorant #Y0353).
- (33) Dark green plastic (Colorant #Y0354).
- (34) Orange plastic (Colorant #Y0355).
- (35) Deep blue plastic (Colorant #Y0356).
- (36) Dull orange plastic (Colorant #Y0357).
- (37) Dark red plastic (Colorant #Y0363).
- (38) Dull yellow plastic (Colorant #Y0369).
- (39) Slate blue plastic (Colorant #Y0390).
- (40) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (41) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (42) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (43) Silver color metal (axle #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(21) Total Mercury (Hg) Content

Test Method : Canada Products Containing Mercury Regulations SOR/2014-254, acid digestion method and analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	<0.001	0.1
(2)	<0.001	0.1
(3)	<0.001	0.1
(4)	<0.001	0.1
(5)	<0.001	0.1
(6)	<0.001	0.1
(7)	<0.001	0.1
(8)	<0.001	0.1
(9)	<0.001	0.1
(10)	<0.001	0.1
(11)	<0.001	0.1
(12)	<0.001	0.1
(13)	<0.001	0.1
(14)	<0.001	0.1
(15)	<0.001	0.1
(16)	<0.001	0.1
(17)	<0.001	0.1
(18)	<0.001	0.1
(19)	<0.001	0.1
(20)	<0.001	0.1
(21)	<0.001	0.1
(22)	<0.001	0.1
(23)	<0.001	0.1
(24)	<0.001	0.1
(25)	<0.001	0.1
(26)	<0.001	0.1
(27)	<0.001	0.1
(28)	<0.001	0.1
(29)	<0.001	0.1
(30)	<0.001	0.1
(31)	<0.001	0.1
(32)	<0.001	0.1
(33)	<0.001	0.1
(34)	<0.001	0.1
(35)	<0.001	0.1
(36)	<0.001	0.1
(37)	<0.001	0.1
(38)	<0.001	0.1
(39)	<0.001	0.1
(40)	<0.001	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Tested Component	Result in %, w/w	Limit in %, w/w
(41)	<0.001	0.1
(42)	<0.001	0.1
(43)	<0.001	0.1
(44)	<0.001	0.1
(45)	<0.001	0.1
(46)	<0.001	0.1
(47)	<0.001	0.1
(48)	<0.001	0.1
(49)	<0.001	0.1
(50)	<0.001	0.1
(51)	<0.001	0.1
(52)	<0.001	0.1
(53)	<0.001	0.1
(54)	<0.001	0.1
(55)	<0.001	0.1
(56)	<0.001	0.1
(57)	<0.001	0.1
(58)	<0.001	0.1
(59)	<0.001	0.1
(60)	<0.001	0.1
(61)	<0.001	0.1
(62)	<0.001	0.1
(63)	<0.001	0.1
(64)	<0.001	0.1
(65)	<0.001	0.1
(66)	<0.001	0.1
(67)	<0.001	0.1
(68)	<0.001	0.1
(69)	<0.001	0.1
(70)	<0.001	0.1
(71)	<0.001	0.1
(72)	<0.001	0.1
(73)	<0.001	0.1
(74)	<0.001	0.1
(75)	<0.001	0.1
(76)	<0.001	0.1
(77)	<0.001	0.1
(78)	<0.001	0.1
(79)	<0.001	0.1
(80)	<0.001	0.1
(81)	<0.001	0.1

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
  - (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
  - (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
  - (4) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
  - (5) Silver color metal (screw - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
  - (6) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
  - (7) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (8) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (9) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (10) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (11) Silver color metal (axle - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (12) Silver color metal (contact plate - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (13) Silver color metal (spring of battery door - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (14) Silver color metal (contact plate of battery door - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (15) Silver color metal (nut of battery door - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (16) Muddy yellow body (capacitor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (17) Silver color metal (lead of capacitor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (18) Silver color metal (wire - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (19) Silver color metal (frame of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (20) Silver color metal (bead of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (21) Silver color metal (spring of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (22) Silver color metal (contact plate of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (23) Silver color metal (lead of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (24) Light brown fibre board (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (25) Silver color metal (extention spring of gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

**Tested Components:**

- (26) Solder (on motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (27) Solder (on PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (28) Brown body with silver color metal (SMD capacitor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (29) Blue/ brown fibre board (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (30) Deep blue/ deep brown fibre board (PCB of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (31) Ivory plastic (cap of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

## Tested Components:

- (32) Light brown plastic (contact plate holder of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (33) Copper color metal (contact plate of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (34) Copper color metal (washer of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (35) Silvery grey metal (case of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (36) Dull silver color metal (U clip of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Dark grey metal with white printing (magnet of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (38) White plastic (ring of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (39) Gold color metal (ring of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Red paper (ring of commulator of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Copper color metal (commutator case of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Dark grey body with silver color printing (commutator holder of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Brown plastic (commuatator of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (44) Copper color metal (coil of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (45) White plastic (rotor cover of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (46) Silver color metal (rotor of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (47) Silver color metal (axle of motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (48) Paper sheet excluding coatings (INX06 - (Herald Instructions)).
- (49) White thread (binding of Herald Instructions).
- (50) Translucent white plastic (Resin #X0018).
- (51) Translucent white plastic (Resin #X0036).
- (52) White plastic (Resin #X0052).
- (53) Translucent white/black plastic (Resin #X0090).
- (54) Shiny black plastic (Resin #X0123).
- (55) White plastic (Resin #X0129).
- (56) Beige plastic (Resin #X0169).
- (57) Translucent white plastic (Resin #X0182).
- (58) Lime green plastic (Colorant #Y0087).
- (59) Red plastic (Colorant #Y0123).
- (60) White plastic (Colorant #Y0136).
- (61) Fluorescent yellow plastic (Colorant #Y0156).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (62) Silver color plastic (Colorant #Y0188).
- (63) Deep blue plastic (Colorant #Y0192).
- (64) Silver color plastic (Colorant #Y0207).
- (65) Blue plastic (Colorant #Y0218).
- (66) Shiny black plastic (Colorant #Y0255).
- (67) Black plastic (Colorant #Y0322).
- (68) Dull black plastic (Colorant #Y0324).
- (69) Light grey plastic (Colorant #Y0336).
- (70) Light tan color plastic (Colorant #Y0345).
- (71) Deep purple plastic (Colorant #Y0352).
- (72) Dark grey plastic (Colorant #Y0353).
- (73) Dark green plastic (Colorant #Y0354).
- (74) Orange plastic (Colorant #Y0355).
- (75) Deep blue plastic (Colorant #Y0356).
- (76) Dull orange plastic (Colorant #Y0357).
- (77) Dark red plastic (Colorant #Y0363).
- (78) Dull yellow plastic (Colorant #Y0369).
- (79) Slate blue plastic (Colorant #Y0390).
- (80) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (81) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(22) Lead (Pb) and Mercury (Hg) Content

Test Method : Acid digestion method and total Mercury content was determined by Inductively Coupled Argon Plasma Spectrometry.

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Total Lead (Pb)	<20	<20	<20	90
Total Mercury (Hg)	ND	ND	ND	10

ND : Not Detected (<10mg/kg)

mg/kg = milligram per kilogram

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (3) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(23) Phthalate Content Test

Test Method : Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.4 was used and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Six Phthalate content:

Compound	Result (ppm)			Limit (ppm)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(7)	(8)	(9)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(10)	(11)	(12)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(16)	(17)	(18)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(19)	(20)	(21)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(25)	(26)	(27)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(28)	(29)	(30)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(31)	(32)	(33)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(34)	(35)	(44)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(45)	(46)	(47)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000
Diisononyl phthalate (DINP)	<150	<150	<150	1000
Di-n-octyl phthalate (DnOP)	<100	<100	<100	1000
Diisodecyl phthalate (DIDP)	<100	<100	<100	1000

Three Phthalate content:

Compound	Result (ppm)			Limit (ppm)
	(36)	(37)	(38)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000

Compound	Result (ppm)			Limit (ppm)
	(39)	(40)	(41)	
Dibutyl phthalate (DBP)	<100	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	<100	1000

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)		Limit (ppm)
	(42)	(43)	
Dibutyl phthalate (DBP)	<100	<100	1000
Diethyl hexyl phthalate (DEHP)	<100	<100	1000
Benzyl butyl phthalate (BBP)	<100	<100	1000

The above limit was quoted according to Phthalates Regulations SOR/2016-188 Section 2 & 3(1) for phthalate content in toys and child care articles.

ppm = parts per million = mg/kg

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (36) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (37) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (39) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (43) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (44) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (45) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (47) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(24) Labeling review – Canada

<b>Evaluation</b>	<b>Citation / Method</b>	<b>Result</b>	<b>Verdict</b>
<b>Country: Canada</b>			
<b>Official language of label information: English and French</b>			
1. Marking of Product identity / description	Consumer Packaging and Labelling Act and Regulations (C.R.C. c417, with amendment)	Present	Pass
2. Marking of Name and address of dealer	Consumer Packaging and Labelling Act and Regulations (C.R.C. c417, with amendment)	Present	Pass
3. Net quantity in correct unit	Consumer Packaging and Labelling Act and Regulations (C.R.C. c417, with amendment)	Not applicable	Not applicable
4. Language of Warnings, cautions, Instruction of use, where applicable	The Charter of French Language, Title I, Chapter VII, Clause 51 (Quebec)	Present	Pass
5. Format of Upholstered and Stuffed Article Label	Quebec Regulation Respecting Stuffing and Upholstered and Stuffed Articles	Not applicable	Not applicable
6. Country of origin marking	Canada Customs Tariff, Marking of Imported Goods Regulations, SOR/94-16	Present	Pass

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 06, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(25) Mechanical and Physical Test

Test Standard : Standard on Safety of toys BS EN 71-1:2014 + A1:2018 / EN 71-1:2014 + A1:2018

Age group for testing : For Ages Over 8 Years

The submitted samples were undergone the following abuse tests:	
<u>Clause</u>	<u>Testing Items</u>
8.5	Drop Test ( 850 mm x 5 )
8.7	Impact test (1 kg)

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	P
4.8	Points and Metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	P
4.11	Mouth actuated toys and other toys intended to be put into mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non -electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements for toys intended for children under 36 months	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA





# TEST REPORT

Number : HKGH02787104 S1

Clause	Requirement	Assessment
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling (7.24)	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile Toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic / electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation : P = Pass NA = Not Applicable

Below is additional information checking according to the UK Toy (Safety) Regulations requirement. The checking is not within accreditation scope.

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# TEST REPORT

Number : HKGH02787104 S1

**Marking**

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself.

	Toy	Packaging
Name of authorised representative in Great Britain	Present	Present
Address of authorised representative in Great Britain	Absent	Present
Product identification code	Absent	Present

With reference to the guidance of using UKCA marking from 1 January 2021 by the Department for Business, Energy and Industrial Strategy published on 1 September 2020, toys or packagings shall also bear the UKCA marking.

After checking, it was found that

	Toy	Packaging
UKCA marking	Absent	Present

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements and not accredited:

**Marking**

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking. After checking, it was found that

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Absent	Present
EU Importer's name	Present	Present
EU Importer's address	Absent	Present
Product identification code	Absent	Present
CE-marking	Present	Present

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(26) Flammability Test

Test Standard : Standard on Safety of Toys BS EN 71-2:2011 + A1:2014 / EN 71-2:2011 + A1:2014

Clause	Requirement	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

(27) Flammability Test

Test Standard : Standard on Safety of Toys BS EN 71-2:2020 / EN 71-2:2020

Clause	Requirement	Assessment
4.1	General requirements	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(28) 19 Toxic Element Migration Test

Test Method : EN 71-3 : 2019 + A1 : 2021. Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(7)	(8)	(9)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(10)	(11)	(12)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	31	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	80	43	36	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	340	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(25)	(26)	(27)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	45	64	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(28)	(29)	(30)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	62	75	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(31)	(32)	(33)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	70	46	61	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(34)	(35)	(36)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	71	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	45	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit (mg/kg)
	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	23
Soluble Manganese (Mn)	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	94
Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

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# TEST REPORT

Number : HKGH02787104 S1

++ : Unless the test result was marked with "Δ", Organic tin content was not directly determined and was derived from migration result of total tin.

Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI) .

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

### Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (6) White thread (binding of Herald Instructions).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) @ Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(29) 19 Toxic Element Migration Test

Test Method : BS EN 71-3 : 2019 + A1 : 2021. Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(7)	(8)	(9)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(10)	(11)	(12)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	31	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	80	43	36	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	340	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(25)	(26)	(27)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	45	64	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(28)	(29)	(30)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	62	75	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(31)	(32)	(33)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	70	46	61	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(34)	(35)	(36)	
Soluble Aluminium (Al)	<300	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	71	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	45	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit (mg/kg)
	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	28130
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	23
Soluble Manganese (Mn)	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	94
Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

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# TEST REPORT

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++ : Unless the test result was marked with "Δ", Organic tin content was not directly determined and was derived from migration result of total tin.

Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI) .

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (6) White thread (binding of Herald Instructions).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).

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# TEST REPORT

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Tested Components:

- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) @ Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(30) 19 Toxic Element Migration Test

Test Method : EN 71-3:2019. Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(7)	(8)	(9)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(10)	(11)	(12)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	31	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	80	43	36	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	340	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(25)	(26)	(27)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	45	64	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(28)	(29)	(30)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	62	75	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(31)	(32)	(33)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	70	46	61	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(34)	(35)	(36)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	71	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	45	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit (mg/kg)
	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	23
Soluble Manganese (Mn)	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	94
Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

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# TEST REPORT

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++ : Unless the test result was marked with "Δ", Organic tin content was not directly determined and was derived from migration result of total tin.

Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI) .

^ : The new aluminium migration limit [2250mg/kg for Category (I), 560mg/kg for category (II) and 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

### Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (5) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (6) White thread (binding of Herald Instructions).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).
- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) @ Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(31) 19 Toxic Element Migration Test

Test Method : BS EN71-3:2019. Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(7)	(8)	(9)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(10)	(11)	(12)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	31	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	80	43	36	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	340	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(25)	(26)	(27)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	45	64	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

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	Result (mg/kg)			Limit (mg/kg)
	(28)	(29)	(30)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	62	75	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)			Limit (mg/kg)
	(31)	(32)	(33)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	70	46	61	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(34)	(35)	(36)	
Soluble Aluminium (Al)	<300	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	71	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	23
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	45	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit (mg/kg)
	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	70000 / 28130^
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III)	<10	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	<0.025	0.053
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	23
Soluble Manganese (Mn)	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	94
Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

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# TEST REPORT

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++ : Unless the test result was marked with "Δ", Organic tin content was not directly determined and was derived from migration result of total tin.

Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI) .

^ : The new aluminium migration limit [2250mg/kg for Category (I), 560mg/kg for category (II) and 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

### Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

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Tested Components:

- (5) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (6) White thread (binding of Herald Instructions).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).
- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) @ Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(32) Cadmium (Cd) Content

Test Method : Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2)	ND	0.01
(3)	ND	0.01
(4)	ND	0.01
(5)	ND	0.01
(6)	ND	0.01
(7)	ND	0.01
(8)	ND	0.01
(9)	ND	0.01
(10)	ND	0.01
(11)	ND	0.01
(12)	ND	0.01
(13)	ND	0.01
(14)	ND	0.01
(15)	ND	0.01
(16)	ND	0.01
(17)	ND	0.01
(18)	ND	0.01
(19)	ND	0.01
(20)	ND	0.01
(21)	ND	0.01
(22)	ND	0.01
(23)	ND	0.01
(24)	ND	0.01
(25)	ND	0.01
(26)	ND	0.01
(27)	ND	0.01
(28)	ND	0.01
(29)	ND	0.01
(30)	ND	0.01
(31)	ND	0.01
(32)	ND	0.01
(33)	ND	0.01
(34)	ND	0.01
(35)	ND	0.01
(36)	ND	0.01
(37)	ND	0.01
(38)	ND	0.01
(39)	ND	0.01
(40)	ND	0.01

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# TEST REPORT

Number : HKGH02787104 S1

Tested Component	Result in %, w/w	Limit in %, w/w
(41)	ND	0.01
(42)	ND	0.01
(43)	ND	0.01
(44)	ND	0.1
(45)	ND	0.01
(46)	ND	0.01

ND : Not detected (< 0.0005%)

The above limit was quoted according to REACH Regulation (EC) No. 1907/2006, Annex XVII Item 23 & amendment No. 2016/217.

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

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### Tested Components:

- (6) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (7) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (8) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (9) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (10) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (11) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (12) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (13) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (14) Translucent white plastic (Resin #X0018).
- (15) Translucent white plastic (Resin #X0036).
- (16) White plastic (Resin #X0052).
- (17) Translucent white/black plastic (Resin #X0090).
- (18) Shiny black plastic (Resin #X0123).
- (19) White plastic (Resin #X0129).
- (20) Beige plastic (Resin #X0169).
- (21) Translucent white plastic (Resin #X0182).
- (22) Lime green plastic (Colorant #Y0087).
- (23) Red plastic (Colorant #Y0123).
- (24) White plastic (Colorant #Y0136).
- (25) Fluorescent yellow plastic (Colorant #Y0156).
- (26) Silver color plastic (Colorant #Y0188).
- (27) Deep blue plastic (Colorant #Y0192).
- (28) Silver color plastic (Colorant #Y0207).
- (29) Blue plastic (Colorant #Y0218).
- (30) Shiny black plastic (Colorant #Y0255).
- (31) Black plastic (Colorant #Y0322).
- (32) Dull black plastic (Colorant #Y0324).
- (33) Light grey plastic (Colorant #Y0336).
- (34) Light tan color plastic (Colorant #Y0345).
- (35) Deep purple plastic (Colorant #Y0352).
- (36) Dark grey plastic (Colorant #Y0353).
- (37) Dark green plastic (Colorant #Y0354).
- (38) Orange plastic (Colorant #Y0355).
- (39) Deep blue plastic (Colorant #Y0356).
- (40) Dull orange plastic (Colorant #Y0357).
- (41) Dark red plastic (Colorant #Y0363).
- (42) Dull yellow plastic (Colorant #Y0369).
- (43) Slate blue plastic (Colorant #Y0390).
- (44) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (45) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(33) Cadmium (Cd) Content

Test Method : Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2)	ND	0.01
(3)	ND	0.01
(4)	ND	0.01
(5)	ND	0.01
(6)	ND	0.01
(7)	ND	0.01
(8)	ND	0.01
(9)	ND	0.01
(10)	ND	0.01
(11)	ND	0.01
(12)	ND	0.01
(13)	ND	0.1
(14)	ND	0.01
(15)	ND	0.01
(16)	ND	0.01
(17)	ND	0.01
(18)	ND	0.01
(19)	ND	0.01
(20)	ND	0.01
(21)	ND	0.01
(22)	ND	0.01
(23)	ND	0.01
(24)	ND	0.01
(25)	ND	0.01
(26)	ND	0.01
(27)	ND	0.01
(28)	ND	0.01
(29)	ND	0.01
(30)	ND	0.01
(31)	ND	0.01
(32)	ND	0.01
(33)	ND	0.01
(34)	ND	0.01
(35)	ND	0.01
(36)	ND	0.01
(37)	ND	0.01
(38)	ND	0.01
(39)	ND	0.01
(40)	ND	0.01

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# TEST REPORT

Number : HKGH02787104 S1

Tested Component	Result in %, w/w	Limit in %, w/w
(41)	ND	0.01
(42)	ND	0.01
(43)	ND	0.01
(44)	ND	0.1
(45)	ND	0.01
(46)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (6) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (7) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (8) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (9) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (10) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (11) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (12) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (13) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (14) Translucent white plastic (Resin #X0018).
- (15) Translucent white plastic (Resin #X0036).
- (16) White plastic (Resin #X0052).
- (17) Translucent white/black plastic (Resin #X0090).
- (18) Shiny black plastic (Resin #X0123).
- (19) White plastic (Resin #X0129).
- (20) Beige plastic (Resin #X0169).
- (21) Translucent white plastic (Resin #X0182).
- (22) Lime green plastic (Colorant #Y0087).
- (23) Red plastic (Colorant #Y0123).
- (24) White plastic (Colorant #Y0136).
- (25) Fluorescent yellow plastic (Colorant #Y0156).
- (26) Silver color plastic (Colorant #Y0188).
- (27) Deep blue plastic (Colorant #Y0192).
- (28) Silver color plastic (Colorant #Y0207).
- (29) Blue plastic (Colorant #Y0218).
- (30) Shiny black plastic (Colorant #Y0255).
- (31) Black plastic (Colorant #Y0322).
- (32) Dull black plastic (Colorant #Y0324).
- (33) Light grey plastic (Colorant #Y0336).
- (34) Light tan color plastic (Colorant #Y0345).
- (35) Deep purple plastic (Colorant #Y0352).
- (36) Dark grey plastic (Colorant #Y0353).
- (37) Dark green plastic (Colorant #Y0354).
- (38) Orange plastic (Colorant #Y0355).
- (39) Deep blue plastic (Colorant #Y0356).
- (40) Dull orange plastic (Colorant #Y0357).
- (41) Dark red plastic (Colorant #Y0363).
- (42) Dull yellow plastic (Colorant #Y0369).
- (43) Slate blue plastic (Colorant #Y0390).
- (44) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (45) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Sep 28, 2021  
Test Period : Sep 28, 2021 to Mar 24, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(34) Phthalate Content Test

Test Method : ISO 8124-6 : 2018 method A with internal standard calibration, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Seven Phthalates content:

Compound	Result (%, w/w)			Limit (%, w/w)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(7)	(8)	(9)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

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Compound	Result (% w/w)			Limit (% w/w)
	(10)	(11)	(12)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(16)	(17)	(18)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(19)	(20)	(21)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(44)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(45)	(46)	(47)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Four Phthalates content:

Compound	Result (% w/w)			Limit (% w/w)
	(36)	(37)	(38)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(39)	(40)	(41)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)		Limit (% w/w)
	(42)	(43)	
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	0.1

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The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006, amendment no. 552/2009 taking into account the (EU) regulation 2018/2005 modifying entry 51 for which the DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination with the first three phthalates which already exist in the entry 51, in a concentration equal to or greater than 0,1 % by weight of the plasticised material.

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).



## TEST REPORT

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### Tested Components:

- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (36) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (39) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (44) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (45) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (47) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(35) Phthalate Content Test

Test Method : ISO 8124-6 : 2018 method A with internal standard calibration, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Seven Phthalates content:

Compound	Result (% w/w)			Limit (% w/w)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(4)	(5)	(6)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(7)	(8)	(9)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(10)	(11)	(12)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(13)	(14)	(15)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(16)	(17)	(18)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(19)	(20)	(21)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

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Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(44)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(45)	(46)	(47)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Four Phthalates content:

Compound	Result (% w/w)			Limit (% w/w)
	(36)	(37)	(38)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(39)	(40)	(41)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)		Limit (% w/w)
	(42)	(43)	
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Diisobutyl phthalate (DIBP)	<0.01	<0.01	--
Sum of DBP, DEHP, BBP & DIBP	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted according to REACH Regulation (EC) no. 1907/2006, Annex XVII, Item 51 & 52 & amendment no. 552/2009 & 2018/2005 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended.

### Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (36) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (39) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (44) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (45) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (47) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(36) Organotin Content

Test Method : By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS) analysis.

Compound	Result (%, w/w)			Limit (%, w/w)
	(1)	(2)	(3)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(4)	(5)	(6)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(7)	(8)	(9)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(10)	(11)	(12)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(13)	(14)	(15)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(16)	(17)	(18)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(19)	(20)	(21)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(36)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(37)	(38)	(39)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(40)	(41)	(42)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(43)	(44)	(45)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted according to Annex XVII Item 20 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC) for organotin content.

^ = The reported value was calculated by summation of the values of Tri-butyltin, Tri-phenyltin, Tri-methyltin, Tri-octyltin, Tri-cyclohexyltin

Detection limit = 0.005% (w/w) of tin

### Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (32) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (36) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (39) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (44) Gold color plastic with black coating (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (45) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(37) Organotin Content

Test Method : By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS) analysis.

Compound	Result (%, w/w)			Limit (%, w/w)
	(1)	(2)	(3)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(4)	(5)	(6)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(7)	(8)	(9)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(10)	(11)	(12)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(13)	(14)	(15)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(16)	(17)	(18)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(19)	(20)	(21)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(36)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(37)	(38)	(39)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(40)	(41)	(42)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(43)	(44)	(45)	
Tri-substituted Organotin <sup>^</sup>	<0.005	<0.005	<0.005	0.1
Dibutyltin (DBT)	<0.005	<0.005	<0.005	0.1
Diocetyl tin (DOT)	<0.005	<0.005	<0.005	0.1

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# TEST REPORT

Number : HKGH02787104 S1

The above limit was quoted according to REACH Regulation (EC) No. 1907/2006, Annex XVII, Item 20 & amendment no. 276/2010 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended for organotin content.

^ = The reported value was calculated by summation of the values of Tri-butyltin, Tri-phenyltin, Tri-methyltin, Tri-octyltin, Tri-cyclohexyltin

Detection limit = 0.005% (w/w) of tin

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (32) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (36) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (39) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (44) Gold color plastic with black coating (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (45) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(38) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)			Limit (ppm)
	(1)	(2)	(3)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(4)	(5)	(6)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(7)	(8)	(9)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(10)	(11)	(12)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(13)	(14)	(15)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(16)	(17)	(18)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(19)	(20)	(21)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(22)	(23)	(24)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(25)	(26)	(27)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(28)	(29)	(30)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(31)	(32)	(33)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(34)	(35)	(36)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)		Limit (ppm)
	(37)		
Benzo(a)pyrene	<0.20		0.5
Benzo(e)pyrene	<0.20		0.5
Benzo(a)anthracene	<0.20		0.5
Chrysene	<0.20		0.5
Benzo(b)fluoranthene	<0.20		0.5
Benzo(j)fluoranthene	<0.20		0.5
Benzo(k)fluoranthene	<0.20		0.5
Dibenzo(a,h)anthracene	<0.20		0.5

The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (36) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (37) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(39) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)			Limit (ppm)
	(1)	(2)	(3)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(4)	(5)	(6)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(7)	(8)	(9)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(10)	(11)	(12)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(13)	(14)	(15)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(16)	(17)	(18)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(19)	(20)	(21)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (ppm)			Limit (ppm)
	(22)	(23)	(24)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(25)	(26)	(27)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(28)	(29)	(30)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)			Limit (ppm)
	(31)	(32)	(33)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

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Compound	Result (ppm)			Limit (ppm)
	(34)	(35)	(36)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	0.5
Chrysene	<0.20	<0.20	<0.20	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	0.5

Compound	Result (ppm)	Limit (ppm)
	(37)	
Benzo(a)pyrene	<0.20	0.5
Benzo(e)pyrene	<0.20	0.5
Benzo(a)anthracene	<0.20	0.5
Chrysene	<0.20	0.5
Benzo(b)fluoranthene	<0.20	0.5
Benzo(j)fluoranthene	<0.20	0.5
Benzo(k)fluoranthene	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	0.5

The above limit was quoted according to REACH Regulation (EC) no. 1907/2006 & amendment no. 1272/2013, Annex XVII, Item 50 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).

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### Tested Components:

- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (36) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (37) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(40) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, by solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Products used by children including toys:

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(1)	(2)	(3)	(4)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

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# TEST REPORT

Number : HKGH02787104 S1

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(5)	(6)	(7)	(8)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(9)	(10)	(11)	(12)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

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Number : HKGH02787104 S1

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(13)	(14)	(15)	(16)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	0.34	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	0.34	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(17)	(18)	(19)	(20)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

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# TEST REPORT

Number : HKGH02787104 S1

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(21)	(22)	(23)	(24)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(25)	(26)	(27)	(28)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

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Number : HKGH02787104 S1

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(29)	(30)	(31)	(32)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	<0.20	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	1	1	1			

Testing Item	Result (mg/kg)				Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(33)	(34)	(35)	(36)			
Phenanthrene	<0.20	<0.20	<0.20	<0.20	--	--	--
Anthracene	<0.20	<0.20	<0.20	<0.20	--	--	--
Fluoranthene	<0.20	<0.20	<0.20	<0.20	--	--	--
Pyrene	<0.20	<0.20	<0.20	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	<0.20	<0.20	<0.20	1	5	20
Naphthalene	<0.20	<0.20	0.41	<0.20	1	2	10
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Chrysene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	<0.20	<0.20	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	<0.20	0.41	<0.20	1	5	20
<b>Classification of samples: Category</b>	1	2a	2a	2a			

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# TEST REPORT

Number : HKGH02787104 S1

Testing Item	Result (mg/kg)	Category 1 Limit (mg/kg)	Category 2a Limit (mg/kg)	Category 3a Limit (mg/kg)
	(37)			
Phenanthrene	<0.20	--	--	--
Anthracene	<0.20	--	--	--
Fluoranthene	<0.20	--	--	--
Pyrene	<0.20	--	--	--
<b>Sum (4 PAHs)</b>	<0.20	1	5	20
Naphthalene	<0.20	1	2	10
Benzo(a)pyrene	<0.20	0.2	0.2	0.5
Benzo(e)pyrene	<0.20	0.2	0.2	0.5
Benzo(a)anthracene	<0.20	0.2	0.2	0.5
Benzo(b)fluoranthene	<0.20	0.2	0.2	0.5
Benzo(j)fluoranthene	<0.20	0.2	0.2	0.5
Benzo(k)fluoranthene	<0.20	0.2	0.2	0.5
Chrysene	<0.20	0.2	0.2	0.5
Dibenzo(a,h)anthracene	<0.20	0.2	0.2	0.5
Benzo(ghi)perylene	<0.20	0.2	0.2	0.5
Indeno(1,2,3-c,d)pyrene	<0.20	0.2	0.2	0.5
<b>Sum (15 PAHs)</b>	<0.20	1	5	20
<b>Classification of samples: Category</b>	2a			

Category1	Materials intended to be put into the mouth, or materials intended for longer skin contact (longer than 30s): - in toys according to Directive 2009/48/EC - for use by infants and toddlers (with direct contact by children <3 years old)
Category2	Materials that are not covered by category 1, with prolonged skin contact (longer than 30s) or repeated short-term skin contact if used as intended or foreseeable 2a. designed for children and for use by children 2b. other consumer products
Category3	Materials that are not covered by category 1 or 2, with short-term skin contact (up to 30 s) when used as intended or foreseeable 3a. designed for children and for use by children 3b. other consumer products

mg/kg = milligram per kilogram

As requested by the applicant, test was conducted only on components listed in this report.

The above limit was quoted according to the document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health for PAH content.

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).



# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (36) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (37) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022  
 Test Period : Jun 29, 2021 to Mar 14, 2022

(41) Safety of Electric Toys

Test Standard : European Standard EN IEC 62115 : 2020 + A11 : 2020 on Safety of electric toys

Age group for testing : For Ages Over 8 Years

Power source : 3V, LR6 size x 2pcs

Included battery: No

Operated function : Battery powered motion

Clause	Requirement	Assessment
1	Scope	--
2	Normative reference	--
3	Term and definitions	--
4	General requirement	--
5	General conditions for test	P
5.1	General Ambient temperature: 20°C ± 5°C	--
5.2	Preconditioning	A
5.3	Assembly	A



# TEST REPORT

Number : HKGH02787104 S1

Clause	Requirement	Assessment
5.4	Movable parts	A
5.5	Detachable parts	NA
5.6	Settings	A
5.7	Selection of power supplies	A
	Carried out with one or more batteries reversed	P
5.8	Accessories and parts	A
6	Criteria for reduced testing	A
6.1	General	--
6.2	Short-circuit resistance	NA
6.3	Low power electric toys	A
6.4	Battery circuits	NA
7	Marking and instructions	P
7.1	General	P#1
7.2	Markings on electric toys	P#2
7.3	Instructions and markings on packaging	P
7.4	Instructions for electric toys that can be connected to class I equipment	NA
7.5	Instructions for ride-on electric toys	NA
7.6	Temperature warnings	NA
8	Power input	NA
9	Heating and abnormal operation	P
9.1	General	P
9.2	Testing condition	--
9.3	Normal operation	P
9.4	Normal operation with insulation short-circuited	P
9.5	Abnormal operation with temperature controls made inoperable	NA
9.6	Electric toys with accessible moving parts locked	P
9.7	Additional transformers and power supplies	NA
9.8	Abnormal supply to electric toys via a USB connection	NA
9.9	Fault condition in electronic circuits	P
9.10	Compliance criteria	P
10	Electric strength	P
10.1	Electric strength at operating temperature	P
10.2	Electric strength under humid conditions	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	NA
	To be used with liquid and electric toys intended to filled from a tap	NA
	To be cleaned with liquid	NA
	To be used in water	NA
12	Mechanical strength	P
12.1	Enclosures	P
12.2	Attachment strength	NA
13	Construction	P
13.1	Nominal supply voltage	P
13.2	Transformers, power supplies and battery chargers	NA
13.3	Thermal cut-outs	NA
13.4	Batteries	P



# TEST REPORT

Number : HKGH02787104 S1

Clause	Requirement	Assessment
13.5	Plug and sockets	NA
13.6	Charging batteries	NA
13.7	Series motors	NA
13.8	Working voltage	NA
13.9	Electric toys connecting to other equipment	NA
13.10	Speed limitation of ride-on electric toys	NA
14	Protection of cords and wires	P
14.1	Edges and moving parts	P
14.2	Fixed parts	NA
15	Components	P
15.1.1	General	P#3
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	P
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	NA
15.5	Batteries	NA
	Supplied primary batteries comply with the relevant parts of the IEC 60086 series	NA
	Supplied secondary batteries comply with IEC 62133	NA
16	Screws and connections	P
16.1	Fixings	P
16.2	Connections	NA
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
18.1	Resistance to heat	NA
18.2	Resistance to fire	P
19	Radiation and similar hazards	--
19.1	General	--
19.2	Optical radiation (In Annex E)	--
19.3	Other electromagnetic radiation (In Annex I)	--
Annex A	Experimental sets	NA
Annex B	Needle flame test	NA
Annex C	Automatic controls and switches	NA
C.1	Automatic controls	NA
C.2	Switches	NA
Annex D	Electric toys with protective electronic circuits	NA
D.1	General	NA
D.2	Dangerous malfunction	NA
D.2.1	General	NA
D.2.2	Electrostatic discharges	NA
D.2.3	Radiated fields	NA
D.2.4	Transient bursts	NA
D.2.5	Voltage surges	NA
D.2.6	Injected current	NA





# TEST REPORT

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Clause	Requirement	Assessment
D.2.7	Voltage dips and interruptions	NA
D.2.8	Mains signals	NA
Annex E	Safety of electric toys incorporating optical radiation sources	NA
	19.E.2 - 19.E.4 Radiation Hazard	NA
	19.E.5 Modulated accessible emission warning	NA
Annex F	Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	--
Annex G	Examples of calculations on LEDs	--
Annex H	Explanation of the principles used for the requirements of Annex E	--
Annex I	Electric toys generating electromagnetic fields (EMF)	NA
Annex J	Safety of remote controls for electric ride-on toys	NA
Annex K	Flow charts showing the application of Clause 9	--

Abbreviation : P = Pass NA = Not Applicable A = Applicable

Remark(s):

- #1 = Only the English version of the marking and instructions were assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.
- #2 = Clause 7.2.1 Below are additional information according to the requirement in Toy Safety Directive 2009/48/EC relating to marking of toys and do not constitute requirements of this European Standard:  
The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
- #3 = Clause 15.1.1 Components shall comply with the safety requirements specified in the relevant standards as far as they reasonably apply.

Date sample received : Jun 29, 2021  
 Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(42) Marking of Electrical and Electronic Equipment (EEE)

Test Standard : Marking requirement in article 15 (2) of WEEE Directive 2012/19/EU

Clause	Requirement	Assessment
1	WEEE directive requirement Article 15 (2) As per European Standard EN 50419 on marking of Electrical and Electronic Equipment (EEE)	P#1
1.a	Unique Identification of the producer Brand name, trademark, company registration number or other suitable means to identify the producer. Whichever option is chosen this shall be recorded in the EU Member State's register of producers.	P
1.b	WEEE marking	P
1.c	Durability checking The durability was checked by rubbing for 15s with a cloth soaked in water, and then rubbing for another 15s with a cloth soaked in petroleum spirit.	P
1.d	Article 14 Producers shall refer to the EU importing country requirement to provide some or all of the information to end users e.g in the instructions for use.	#2

Abbreviation : P = Pass

Remark(s):

- #1 = The brand name, trademark was visually checked on its physically presence only. There was no verification in its validity.
  
- #2 = Since every member states would have their own environmental requirement, this clause is not able to assess. Producers shall, with reference to article 14 of Directive 2012/19/EU, refer to the EU importing country requirement to provide the information in following paragraphs to end users e.g in the instructions for use.
  - (a) The requirement not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately;
  - (b) The return and collection systems available to them, encouraging the coordination of information on the available collection points irrespective of the producers or other operators which have set them up;
  - (c) Their role in contributing to re-use, recycling and other forms of recovery of WEEE;
  - (d) The potential effects on the environment and human health as a result of the presence of hazardous substances in WEEE;
  - (e) The meaning of the WEEE marking.

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(43) RoHS Test

(A) Result

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(1)	ND	ND	ND	ND	ND	--
(2)	ND	ND	ND	ND	ND	--
(3)	ND	ND	ND	ND	ND	--
(4)	ND	ND	ND	ND	ND	--
(5)	ND	ND	ND	ND	ND	--
(6)	ND	ND	ND	ND	ND	--
(7)	ND	ND	ND	ND	ND	--
(8)	ND	ND	ND	ND	ND	--
(9)	ND	ND	ND	ND	ND	--
(10)	ND	ND	ND	ND	ND	--
(11)	ND	ND	ND	ND	ND	--
(12)	ND	ND	ND	ND	ND	--
(13)	ND	ND	ND	ND	ND	--
(14)	ND	ND	ND	ND	ND	--
(15)	ND	ND	ND	ND	ND	--
(16)	ND	ND	ND	ND	ND	--
(17)	ND	ND	ND	ND	ND	--
(18)	ND	ND	ND	ND	ND	--
(19)	ND	ND	ND	ND	ND	--
(20)	ND	ND	ND	ND	ND	--
(21)	ND	ND	ND	ND	ND	--
(22)	ND	ND	ND	ND	ND	--
(23)	ND	ND	ND	ND	ND	--
(24)	ND	ND	ND	ND	ND	--
(25)	ND	ND	ND	ND	ND	--
(26)	ND	ND	ND	ND	ND	--
(27)	ND	ND	ND	ND	ND	--
(28)	ND	ND	ND	ND	ND	--
(29)	ND	ND	ND	ND	ND	--
(30)	ND	ND	ND	ND	ND	--
(31)	ND	ND	ND	ND	ND	--

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# TEST REPORT

Number : HKGH02787104 S1

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(32)	ND	ND	ND	ND	ND	--
(33)	ND	ND	ND	ND	ND	--
(34)	ND	ND	ND	ND	ND	--
(35)	ND	ND	ND	ND	ND	--
(36)	ND	ND	ND	ND	ND	--
(37)	ND	ND	ND	ND	ND	--
(38)	ND	ND	ND	ND	ND	--
(39)	ND	ND	ND	ND	ND	--
(40)	ND	ND	ND	ND	ND	--
(41)	ND	ND	ND	ND	ND	--
(42)	ND	ND	ND	ND	ND	--
(43)	ND	ND	ND	ND	ND	--
(44)	ND	ND	ND	ND	ND	--
(45)	ND	ND	ND	ND	ND	--
(46)	ND	ND	ND	ND	ND	--
(47)	ND	ND	ND	ND	ND	--
(48)	ND	ND	ND	ND	ND	--
(49)	ND	ND	ND	ND	ND	--
(50)	ND	ND	ND	ND	ND	--
(51)	ND	ND	ND	ND	ND	--
(52)	ND	ND	ND	ND	ND	--
(53)	ND	ND	ND	ND	ND	--
(54)	ND	ND	ND	ND	ND	--
(55)	ND	ND	ND	ND	ND	--
(56)	ND	ND	ND	ND	ND	--
(57)	ND	ND	ND	ND	ND	--
(58)	ND	ND	ND	ND	ND	--
(59)	ND	ND	ND	ND	ND	--
(60)	ND	ND	ND	ND	ND	--
(61)	ND	ND	ND	ND	ND	--
(62)	ND	ND	ND	ND	ND	--
(63)	ND	ND	ND	ND	ND	--
(64)	ND	ND	ND	ND	ND	--
(65)	ND	ND	ND	ND	ND	--
(66)	ND	ND	ND	ND	ND	--

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# TEST REPORT

Number : HKGH02787104 S1

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(67)	ND	ND	ND	ND	ND	--
(68)	ND	ND	ND	ND	ND	--
(69)	ND	ND	ND	ND	ND	--
(70)	ND	ND	ND	ND	ND	--
(71)	ND	ND	ND	ND	ND	--
(72)	ND	ND	ND	ND	ND	--
(73)	ND	ND	ND	ND	ND	--
(74)	ND	ND	ND	ND	ND	--
(75)	ND	ND	ND	ND	ND	--
(76)	ND	ND	ND	ND	ND	--
(77)	ND	ND	ND	ND	ND	--
(78)	ND	ND	ND	ND	ND	--
(79)	ND	ND	ND	ND	ND	--
(80)	ND	ND	ND	ND	ND	--
(81)	ND	ND	ND	ND	ND	--
(82)	ND	ND	ND	ND	ND	--
(83)	ND	ND	ND	ND	ND	--
(84)	ND	ND	ND	ND	ND	--
(85)	ND	ND	ND	ND	ND	--
(86)	ND	ND	ND	ND	ND	--
(87)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(88)	ND	ND	ND	ND	NA	--
(89)	ND	ND	ND	ND	NA	--
(90)	ND	ND	ND	ND	NA	--
(91)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(92)	ND	ND	ND	ND	ND	--
(93)	ND	ND	ND	ND	ND	--
(94)	ND	ND	ND	ND	ND	--
(95)	ND	ND	ND	ND	ND	--
(96)	ND	D	ND	ND	NA	--
(97)	ND	ND	ND	ND	ND	--
(98)	ND	ND	ND	ND	ND	--
(99)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(100)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND

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# TEST REPORT

Number : HKGH02787104 S1

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(101)	ND	ND	ND	ND	ND	--
(102)	ND	ND	ND	ND	NA	--
(103)	ND	ND	ND	ND	ND	--
(104)	ND	ND	ND	ND	NA	--
(105)	ND	ND	ND	ND	NA	--
(106)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(107)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(108)	ND	ND	ND	ND	ND	--
(109)	ND	ND	ND	ND	NA	--
(110)	ND	ND	ND	ND	NA	--
(111)	ND	ND	ND	ND	#	PBBs:ND PBDEs:ND
(112)	ND	ND	ND	ND	ND	--
(113)	ND	ND	ND	ND	#	PBBs:ND PBDEs:ND
(114)	ND	ND	ND	ND	ND	--
(115)	ND	ND	ND	ND	ND	--
(116)	ND	ND	ND	ND	NA	--
(117)	ND	ND	ND	ND	ND	--
(118)	ND	ND	ND	ND	NA	--
(119)	ND	ND	ND	ND	NA	--
(120)	ND	ND	ND	ND	NA	--
(121)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(122)	ND	ND	ND	ND	ND	--
(123)	ND	ND	ND	ND	NA	--
(124)	ND	ND	ND	ND	ND	--
(125)	ND	ND	ND	ND	NA	--
(126)	ND	ND	ND	ND	ND	--
(127)	ND	ND	ND	ND	ND	--
(128)	ND	ND	ND	ND	NA	--
(129)	ND	ND	ND	ND	ND	--
(130)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(131)	ND	ND	ND	ND	NA	--
(132)	ND	ND	ND	ND	NA	--
(133)	ND	ND	ND	ND	ND	--

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# TEST REPORT

Number : HKGH02787104 S1

- ND : Not Detected
- NA : Not Applicable
- D : Detected : Below the lower screening limit of table(B) and pass.
- ppm : part per million = mg/kg
- # : Inconclusive

List of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) in chemical confirmation test:

PBBs	PBDEs
Monobromobiphenyl (monoBB)	Monobromodiphenyl ether (MonoBDE)
Dibromobiphenyl (DiBB)	Dibromodiphenyl ether (DiBDE)
Tribromobiphenyl (TriBB)	Tribromodiphenyl ether (TriBDE)
Tetrabromobiphenyl (TetraBB)	Tetrabromodiphenyl ether (TetraBDE)
Pentabromobiphenyl (PentaBB)	Pentabromodiphenyl ether (PentaBDE)
Hexabromobiphenyl (HexaBB)	Hexabromodiphenyl ether (HexaBDE)
Heptabromobiphenyl (HeptaBB)	Heptabromodiphenyl ether (HeptaBDE)
Octabromobiphenyl (OctaBB)	Octabromodiphenyl ether (OctaBDE)
Nonabromobiphenyl (NonaBB)	Nonabromodiphenyl ether (NonaBDE)
Decabromobiphenyl (DecaBB)	Decabromodiphenyl ether (DecaBDE)

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# TEST REPORT

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(B) XRF screening limits in mg/kg for regulated elements in various matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 150 \leq F$
Pb	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Hg	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < X$	$P \leq 500 < X$
Br	$P \leq 300 < X$	Not applicable	$P \leq 250 < X$

P = Pass  
 X = Inconclusive result  
 F = Fail  
 mg/kg = milligram per kilogram = ppm

(C) Estimated detection limits in mg/kg for regulated elements in various matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not Applicable	200

**Disclaimers:**

This XRF screening report is for reference purposes only. The applicant shall make its/His/Her own judgement as to whether the information provided in this XRF screening report is sufficient for its/His/Her purposes.

The results shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. Plastic, Rubber, Metal, Glass, Ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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# TEST REPORT

Number : HKGH02787104 S1

(D) Test Methods

Testing Item	Testing Method	Reporting Limit
XRF screening	With reference to IEC 62321-3-1 edition 1.0 : 2013, by X-ray fluorescence spectrometry	Refer to (C)
Cadmium (Cd) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 edition 1.0 : 2013+AMD1:2017, by acid digestion and determined by ICP-OES	10 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Non-Metal)	With reference to IEC 62321-7-2 : 2017, by alkaline digestion and determined by UV-VIS spectrophotometer	5 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Leather)	With reference to ISO 17075-1 : 2017, by phosphate butter extraction and determined by UV-VIS spectrophotometer	1 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Metal)	With reference to IEC 62321-7-1 : 2015, by boiling water extraction and determined by UV-VIS spectrophotometer	0.1 µg/cm <sup>2</sup>
Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs)	With reference to IEC 62321-6 : 2015, by solvent extraction and determined by GC/MS.	20 mg/kg

The explanation of Chromium VI (Cr<sup>6+</sup>) analysis result (For Metal)

Colorimetric result	Qualitative result	Explanation
< 0.10 µg/cm <sup>2</sup>	Negative	The result of sample is negative for Cr (VI). The sample coating is considered a non-Cr(VI) based coating.
≥ 0.10 µg/cm <sup>2</sup> and ≤ 0.13 µg/cm <sup>2</sup>	Inconclusive	The result of sample is considered to be inconclusive. If addition samples are available, recommend to add trials and get the average result for the final determination.
> 0.13 µg/cm <sup>2</sup>	Positive	The result of sample is positive for Cr(VI). The sample coating is considered to contain Cr(VI).A result expresses as positive, while not an actual value, which indicates a visual observation was used.

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# TEST REPORT

Number : HKGH02787104 S1

(E) RoHS requirements

Restricted substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	0.1% (1000 ppm)
Polybrominated biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated diphenyl ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from Annex II of 2011/65/EU.

Tested Components:

- (1) Beige plastic (Resin #X0011).
- (2) Translucent plastic (Resin #X0014).
- (3) Off white plastic (Resin #X0016).
- (4) Translucent white plastic (Resin #X0018).
- (5) Off white plastic (Resin #X0021).
- (6) Translucent white plastic (Resin #X0024).
- (7) Translucent white plastic (Resin #X0036).
- (8) Transparent plastic (Resin #X0041).
- (9) Transparent plastic (Resin #X0049).
- (10) White plastic (Resin #X0052).
- (11) Translucent white plastic (Resin #X0055).
- (12) Translucent white plastic (Resin #X0068).
- (13) Translucent white plastic (Resin #X0085).
- (14) Translucent white/black plastic (Resin #X0090).
- (15) Shiny white plastic (Resin #X0093).
- (16) Transparent plastic (Resin #X0118).
- (17) Black plastic (Resin #X0121).
- (18) Shiny black plastic (Resin #X0123).
- (19) White plastic (Resin #X0129).
- (20) Dull black plastic (Resin #X0152).
- (21) Beige plastic (Resin #X0169).
- (22) Snow white plastic (Resin #X00173).
- (23) Translucent white plastic (Resin #X0182).
- (24) White plastic (Resin #X0201).
- (25) Beige plastic (Resin #X0204).
- (26) Lime green plastic (Colorant #Y0087).
- (27) Green plastic (Colorant #Y0089).
- (28) Fluorescent red plastic (Colorant #Y0097).

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# TEST REPORT

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Tested Components:

- (29) Purple plastic (Colorant #Y0100).
- (30) Red plastic (Colorant #Y0123).
- (31) Slate blue plastic (Colorant #Y0130).
- (32) White plastic (Colorant #Y0136).
- (33) Brown plastic (Colorant #Y0138).
- (34) Fluorescent orange plastic (Colorant #Y0142).
- (35) Dark red plastic (Colorant #Y0151).
- (36) Dark yellow plastic (Colorant #Y0155).
- (37) Fluorescent yellow plastic (Colorant #Y0156).
- (38) Tan color plastic (colorant #Y0183).
- (39) Silver color plastic (Colorant #Y0188).
- (40) Deep blue plastic (Colorant #Y0192).
- (41) Silver color plastic (Colorant #Y0207).
- (42) Blue plastic (Colorant #Y0218).
- (43) White plastic (Colorant #Y0224).
- (44) Shiny black plastic (Colorant #Y0255).
- (45) Dim black plastic (Colorant #Y0285).
- (46) Fluorescent orange plastic (Colorant #Y0309).
- (47) Dull blue plastic (Colorant #Y0320).
- (48) Black plastic (Colorant #Y0322).
- (49) Dull black plastic (Colorant #Y0324).
- (50) Light purple plastic (Colorant #Y0333).
- (51) Light grey plastic (Colorant #Y0336).
- (52) Dull silver color plastic (Colorant #Y0337).
- (53) Pale blue plastic (Colorant #Y0340).
- (54) Light tan color plastic (Colorant #Y0345).
- (55) Grey plastic (Colorant #Y0347).
- (56) Deep purple plastic (Colorant #Y0352).
- (57) Dark grey plastic (Colorant #Y0353).
- (58) Dark green plastic (Colorant #Y0354).
- (59) Orange plastic (Colorant #Y0355).
- (60) Deep blue plastic (Colorant #Y0356).
- (61) Dull orange plastic (Colorant #Y0357).
- (62) Dull green plastic (Colorant #Y0362).
- (63) Dark red plastic (Colorant #Y0363).
- (64) Shiny yellow plastic (Colorant #Y0365).
- (65) Dull red plastic (Colorant #Y0366).
- (66) Dark orange plastic (Colorant #Y0367).
- (67) Cyan color plastic (Colorant #Y0368).
- (68) Dull yellow plastic (Colorant #Y0369).
- (69) Shiny red plastic (Colorant #Y0370).
- (70) Blue plastic (Colorant #Y0375).
- (71) Lime green plastic (Colorant #Y0377).
- (72) Brown plastic (Colorant #Y0383).
- (73) Red plastic (Colorant #Y0385).
- (74) Slate blue plastic (Colorant #Y0390).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (75) Deep blue plastic (Colorant #Y0410).
- (76) Light grey plastic (Colorant #Y0437).
- (77) Blue plastic (Colorant #Y0465).
- (78) Fluorescent orange plastic (Colorant #Y0469).
- (79) Dark steel grey plastic (Colorant #Y0583).
- (80) Gold color plastic (Colorant #Y0866).
- (81) Bronze color plastic (Colorant #Y0867).
- (82) Paper label with coatings (sticker- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (83) Silver color plastic (2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (84) Blue plastic (2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (85) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (86) Black plastic (2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (87) Blue plated metal (screw- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (88) Silver color metal (battery spring- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (89) Silver color metal (battery contact plate- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

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**Tested Components:**

- (90) Solder (on contact plate- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (91) Silver color metal (nut- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (92) Green plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (93) Red plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (94) Black plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (95) White plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (96) Silver color metal (wire- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (97) Black plastic (gear- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (98) Dull white plastic (gear- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (99) Silver color metal (axle of gear- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (100) Silver color metal (spring- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (101) Muddy yellow body (capacitor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (102) Silver color metal (lead of capacitor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (103) Black plastic (switch of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (104) Silver color metal (frame of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (105) Silver color metal (clip of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (106) Dull silver color metal (spring of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (107) Silver color metal (bead of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (108) Brown fibre board with red glue (PCB of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (109) Silver color metal (lead of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (110) Solder (PCB- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (111) Blue/ brown fibre board (PCB- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (112) Brown body with silver color metal (SMD capacitor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (113) Blue fibre board (PCB- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (114) Off white plastic (cap of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (115) Off white plastic (contact plate holder of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (116) Copper color metal (contact plate of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (117) Dark copper color body (carbon brush of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (118) Copper color metal (washer of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (119) Silver grey metal (case of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (120) Dull silver color metal (U clip of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (121) Dark grey metal with white printing (magnet of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (122) White plastic (ring of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (123) Gold color metal (ring of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (124) Red paper (ring of commutator of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (125) Copper color metal (commutator case of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (126) Dark grey body with silver color printing (commutator holder of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (127) Brown plastic (commutator of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (128) Copper color metal (coil of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (129) White plastic (rotor cover of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (130) Silver color metal (rotor of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (131) Silver color metal (axle of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

**Tested Components:**

- (132) Gold color metal (contact plate holder of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (133) Yellow plastic (gear- 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

Date sample received : Sep 28, 2021  
Test Period : Sep 28, 2021 to Oct 08, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(44) RoHS Test

(A) Result

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(1)	ND	ND	ND	ND	ND	--
(2)	ND	ND	ND	ND	ND	--
(3)	ND	ND	ND	ND	ND	--
(4)	ND	ND	ND	ND	ND	--
(5)	ND	ND	ND	ND	ND	--
(6)	ND	ND	ND	ND	ND	--
(7)	ND	ND	ND	ND	ND	--
(8)	ND	ND	ND	ND	ND	--
(9)	ND	ND	ND	ND	ND	--
(10)	ND	ND	ND	ND	ND	--
(11)	ND	ND	ND	ND	ND	--
(12)	ND	ND	ND	ND	ND	--
(13)	ND	ND	ND	ND	ND	--
(14)	ND	ND	ND	ND	ND	--
(15)	ND	ND	ND	ND	ND	--
(16)	ND	ND	ND	ND	ND	--
(17)	ND	ND	ND	ND	ND	--
(18)	ND	ND	ND	ND	ND	--
(19)	ND	ND	ND	ND	ND	--
(20)	ND	ND	ND	ND	ND	--
(21)	ND	ND	ND	ND	ND	--
(22)	ND	ND	ND	ND	ND	--
(23)	ND	ND	ND	ND	ND	--
(24)	ND	ND	ND	ND	ND	--
(25)	ND	ND	ND	ND	ND	--
(26)	ND	ND	ND	ND	ND	--
(27)	ND	ND	ND	ND	ND	--
(28)	ND	ND	ND	ND	ND	--
(29)	ND	ND	ND	ND	ND	--
(30)	ND	ND	ND	ND	ND	--
(31)	ND	ND	ND	ND	ND	--

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# TEST REPORT

Number : HKGH02787104 S1

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(32)	ND	ND	ND	ND	ND	--
(33)	ND	ND	ND	ND	ND	--
(34)	ND	ND	ND	ND	ND	--
(35)	ND	ND	ND	ND	ND	--
(36)	ND	ND	ND	ND	ND	--
(37)	ND	ND	ND	ND	ND	--
(38)	ND	ND	ND	ND	ND	--
(39)	ND	ND	ND	ND	ND	--
(40)	ND	ND	ND	ND	ND	--
(41)	ND	ND	ND	ND	ND	--
(42)	ND	ND	ND	ND	ND	--
(43)	ND	ND	ND	ND	ND	--
(44)	ND	ND	ND	ND	ND	--
(45)	ND	ND	ND	ND	ND	--
(46)	ND	ND	ND	ND	ND	--
(47)	ND	ND	ND	ND	ND	--
(48)	ND	ND	ND	ND	ND	--
(49)	ND	ND	ND	ND	ND	--
(50)	ND	ND	ND	ND	ND	--
(51)	ND	ND	ND	ND	ND	--
(52)	ND	ND	ND	ND	ND	--
(53)	ND	ND	ND	ND	ND	--
(54)	ND	ND	ND	ND	ND	--
(55)	ND	ND	ND	ND	ND	--
(56)	ND	ND	ND	ND	ND	--
(57)	ND	ND	ND	ND	ND	--
(58)	ND	ND	ND	ND	ND	--
(59)	ND	ND	ND	ND	ND	--
(60)	ND	ND	ND	ND	ND	--
(61)	ND	ND	ND	ND	ND	--
(62)	ND	ND	ND	ND	ND	--
(63)	ND	ND	ND	ND	ND	--
(64)	ND	ND	ND	ND	ND	--
(65)	ND	ND	ND	ND	ND	--
(66)	ND	ND	ND	ND	ND	--



# TEST REPORT

Number : HKGH02787104 S1

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(67)	ND	ND	ND	ND	ND	--
(68)	ND	ND	ND	ND	ND	--
(69)	ND	ND	ND	ND	ND	--
(70)	ND	ND	ND	ND	ND	--
(71)	ND	ND	ND	ND	ND	--
(72)	ND	ND	ND	ND	ND	--
(73)	ND	ND	ND	ND	ND	--
(74)	ND	ND	ND	ND	ND	--
(75)	ND	ND	ND	ND	ND	--
(76)	ND	ND	ND	ND	ND	--
(77)	ND	ND	ND	ND	ND	--
(78)	ND	ND	ND	ND	ND	--
(79)	ND	ND	ND	ND	ND	--
(80)	ND	ND	ND	ND	ND	--
(81)	ND	ND	ND	ND	ND	--
(82)	ND	ND	ND	ND	ND	--
(83)	ND	ND	ND	ND	ND	--
(84)	ND	ND	ND	ND	ND	--
(85)	ND	ND	ND	ND	ND	--
(86)	ND	ND	ND	ND	ND	--
(87)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(88)	ND	ND	ND	ND	NA	--
(89)	ND	ND	ND	ND	NA	--
(90)	ND	ND	ND	ND	NA	--
(91)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(92)	ND	ND	ND	ND	ND	--
(93)	ND	ND	ND	ND	ND	--
(94)	ND	ND	ND	ND	ND	--
(95)	ND	ND	ND	ND	ND	--
(96)	ND	D	ND	ND	NA	--
(97)	ND	ND	ND	ND	ND	--
(98)	ND	ND	ND	ND	ND	--
(99)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(100)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND

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# TEST REPORT

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Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(101)	ND	ND	ND	ND	ND	--
(102)	ND	ND	ND	ND	NA	--
(103)	ND	ND	ND	ND	ND	--
(104)	ND	ND	ND	ND	NA	--
(105)	ND	ND	ND	ND	NA	--
(106)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(107)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(108)	ND	ND	ND	ND	ND	--
(109)	ND	ND	ND	ND	NA	--
(110)	ND	ND	ND	ND	NA	--
(111)	ND	ND	ND	ND	#	PBBs:ND PBDEs:ND
(112)	ND	ND	ND	ND	ND	--
(113)	ND	ND	ND	ND	#	PBBs:ND PBDEs:ND
(114)	ND	ND	ND	ND	ND	--
(115)	ND	ND	ND	ND	ND	--
(116)	ND	ND	ND	ND	NA	--
(117)	ND	ND	ND	ND	ND	--
(118)	ND	ND	ND	ND	NA	--
(119)	ND	ND	ND	ND	NA	--
(120)	ND	ND	ND	ND	NA	--
(121)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(122)	ND	ND	ND	ND	ND	--
(123)	ND	ND	ND	ND	NA	--
(124)	ND	ND	ND	ND	ND	--
(125)	ND	ND	ND	ND	NA	--
(126)	ND	ND	ND	ND	ND	--
(127)	ND	ND	ND	ND	ND	--
(128)	ND	ND	ND	ND	NA	--
(129)	ND	ND	ND	ND	ND	--
(130)	ND	ND	ND	#	NA	Cr <sup>6+</sup> :ND
(131)	ND	ND	ND	ND	NA	--
(132)	ND	ND	ND	ND	NA	--
(133)	ND	ND	ND	ND	ND	--

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# TEST REPORT

Number : HKGH02787104 S1

- ND : Not Detected
- NA : Not Applicable
- D : Detected : Below the lower screening limit of table(B) and pass.
- ppm : part per million = mg/kg
- # : Inconclusive

List of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) in chemical confirmation test:

PBBs	PBDEs
Monobromobiphenyl (monoBB)	Monobromodiphenyl ether (MonoBDE)
Dibromobiphenyl (DiBB)	Dibromodiphenyl ether (DiBDE)
Tribromobiphenyl (TriBB)	Tribromodiphenyl ether (TriBDE)
Tetrabromobiphenyl (TetraBB)	Tetrabromodiphenyl ether (TetraBDE)
Pentabromobiphenyl (PentaBB)	Pentabromodiphenyl ether (PentaBDE)
Hexabromobiphenyl (HexaBB)	Hexabromodiphenyl ether (HexaBDE)
Heptabromobiphenyl (HeptaBB)	Heptabromodiphenyl ether (HeptaBDE)
Octabromobiphenyl (OctaBB)	Octabromodiphenyl ether (OctaBDE)
Nonabromobiphenyl (NonaBB)	Nonabromodiphenyl ether (NonaBDE)
Decabromobiphenyl (DecaBB)	Decabromodiphenyl ether (DecaBDE)

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# TEST REPORT

Number : HKGH02787104 S1

(B) XRF screening limits in mg/kg for regulated elements in various matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 150 \leq F$
Pb	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Hg	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < X$	$P \leq 500 < X$
Br	$P \leq 300 < X$	Not applicable	$P \leq 250 < X$

P = Pass  
 X = Inconclusive result  
 F = Fail  
 mg/kg = milligram per kilogram = ppm

(C) Estimated detection limits in mg/kg for regulated elements in various matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not Applicable	200

**Disclaimers:**

This XRF screening report is for reference purposes only. The applicant shall make its/His/Her own judgement as to whether the information provided in this XRF screening report is sufficient for its/His/Her purposes.

The results shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. Plastic, Rubber, Metal, Glass, Ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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# TEST REPORT

Number : HKGH02787104 S1

(D) Test Methods

Testing Item	Testing Method	Reporting Limit
XRF screening	With reference to IEC 62321-3-1 edition 1.0 : 2013, by X-ray fluorescence spectrometry	Refer to (C)
Cadmium (Cd) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 edition 1.0 : 2013+AMD1:2017, by acid digestion and determined by ICP-OES	10 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Non-Metal)	With reference to IEC 62321-7-2 : 2017, by alkaline digestion and determined by UV-VIS spectrophotometer	5 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Leather)	With reference to ISO 17075-1 : 2017, by phosphate butter extraction and determined by UV-VIS spectrophotometer	1 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Metal)	With reference to IEC 62321-7-1 : 2015, by boiling water extraction and determined by UV-VIS spectrophotometer	0.1 µg/cm <sup>2</sup>
Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs)	With reference to IEC 62321-6 : 2015, by solvent extraction and determined by GC/MS.	20 mg/kg

The explanation of Chromium VI (Cr<sup>6+</sup>) analysis result (For Metal)

Colorimetric result	Qualitative result	Explanation
< 0.10 µg/cm <sup>2</sup>	Negative	The result of sample is negative for Cr (VI). The sample coating is considered a non-Cr(VI) based coating.
≥ 0.10 µg/cm <sup>2</sup> and ≤ 0.13 µg/cm <sup>2</sup>	Inconclusive	The result of sample is considered to be inconclusive. If addition samples are available, recommend to add trials and get the average result for the final determination.
> 0.13 µg/cm <sup>2</sup>	Positive	The result of sample is positive for Cr(VI). The sample coating is considered to contain Cr(VI).A result expresses as positive, while not an actual value, which indicates a visual observation was used.

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# TEST REPORT

Number : HKGH02787104 S1

(E) RoHS requirements

Restricted substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	0.1% (1000 ppm)
Polybrominated biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated diphenyl ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from Restricted Substances Content Requirement in Regulation 3(1) of the The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012 No. 3032)

Tested Components:

- (1) Beige plastic (Resin #X0011).
- (2) Translucent plastic (Resin #X0014).
- (3) Off white plastic (Resin #X0016).
- (4) Translucent white plastic (Resin #X0018).
- (5) Off white plastic (Resin #X0021).
- (6) Translucent white plastic (Resin #X0024).
- (7) Translucent white plastic (Resin #X0036).
- (8) Transparent plastic (Resin #X0041).
- (9) Transparent plastic (Resin #X0049).
- (10) White plastic (Resin #X0052).
- (11) Translucent white plastic (Resin #X0055).
- (12) Translucent white plastic (Resin #X0068).
- (13) Translucent white plastic (Resin #X0085).
- (14) Translucent white/black plastic (Resin #X0090).
- (15) Shiny white plastic (Resin #X0093).
- (16) Transparent plastic (Resin #X0118).
- (17) Black plastic (Resin #X0121).
- (18) Shiny black plastic (Resin #X0123).
- (19) White plastic (Resin #X0129).
- (20) Dull black plastic (Resin #X0152).
- (21) Beige plastic (Resin #X0169).
- (22) Snow white plastic (Resin #X00173).
- (23) Translucent white plastic (Resin #X0182).
- (24) White plastic (Resin #X0201).
- (25) Beige plastic (Resin #X0204).
- (26) Lime green plastic (Colorant #Y0087).

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## TEST REPORT

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Tested Components:

- (27) Green plastic (Colorant #Y0089).
- (28) Fluorescent red plastic (Colorant #Y0097).
- (29) Purple plastic (Colorant #Y0100).
- (30) Red plastic (Colorant #Y0123).
- (31) Slate blue plastic (Colorant #Y0130).
- (32) White plastic (Colorant #Y0136).
- (33) Brown plastic (Colorant #Y0138).
- (34) Fluorescent orange plastic (Colorant #Y0142).
- (35) Dark red plastic (Colorant #Y0151).
- (36) Dark yellow plastic (Colorant #Y0155).
- (37) Fluorescent yellow plastic (Colorant #Y0156).
- (38) Tan color plastic (colorant #Y0183).
- (39) Silver color plastic (Colorant #Y0188).
- (40) Deep blue plastic (Colorant #Y0192).
- (41) Silver color plastic (Colorant #Y0207).
- (42) Blue plastic (Colorant #Y0218).
- (43) White plastic (Colorant #Y0224).
- (44) Shiny black plastic (Colorant #Y0255).
- (45) Dim black plastic (Colorant #Y0285).
- (46) Fluorescent orange plastic (Colorant #Y0309).
- (47) Dull blue plastic (Colorant #Y0320).
- (48) Black plastic (Colorant #Y0322).
- (49) Dull black plastic (Colorant #Y0324).
- (50) Light purple plastic (Colorant #Y0333).
- (51) Light grey plastic (Colorant #Y0336).
- (52) Dull silver color plastic (Colorant #Y0337).
- (53) Pale blue plastic (Colorant #Y0340).
- (54) Light tan color plastic (Colorant #Y0345).
- (55) Grey plastic (Colorant #Y0347).
- (56) Deep purple plastic (Colorant #Y0352).
- (57) Dark grey plastic (Colorant #Y0353).
- (58) Dark green plastic (Colorant #Y0354).
- (59) Orange plastic (Colorant #Y0355).
- (60) Deep blue plastic (Colorant #Y0356).
- (61) Dull orange plastic (Colorant #Y0357).
- (62) Dull green plastic (Colorant #Y0362).
- (63) Dark red plastic (Colorant #Y0363).
- (64) Shiny yellow plastic (Colorant #Y0365).
- (65) Dull red plastic (Colorant #Y0366).
- (66) Dark orange plastic (Colorant #Y0367).
- (67) Cyan color plastic (Colorant #Y0368).
- (68) Dull yellow plastic (Colorant #Y0369).
- (69) Shiny red plastic (Colorant #Y0370).
- (70) Blue plastic (Colorant #Y0375).
- (71) Lime green plastic (Colorant #Y0377).
- (72) Brown plastic (Colorant #Y0383).

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# TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (73) Red plastic (Colorant #Y0385).
- (74) Slate blue plastic (Colorant #Y0390).
- (75) Deep blue plastic (Colorant #Y0410).
- (76) Light grey plastic (Colorant #Y0437).
- (77) Blue plastic (Colorant #Y0465).
- (78) Fluorescent orange plastic (Colorant #Y0469).
- (79) Dark steel grey plastic (Colorant #Y0583).
- (80) Gold color plastic (Colorant #Y0866).
- (81) Bronze color plastic (Colorant #Y0867).
- (82) Paper label with coatings (sticker- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (83) Silver color plastic (2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (84) Blue plastic (2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (85) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (86) Black plastic (2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (87) Blue plated metal (screw- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (88) Silver color metal (battery spring- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (89) Silver color metal (battery contact plate- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (90) Solder (on contact plate- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (91) Silver color metal (nut- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (92) Green plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (93) Red plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (94) Black plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (95) White plastic (wire insulator- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (96) Silver color metal (wire- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (97) Black plastic (gear- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (98) Dull white plastic (gear- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (99) Silver color metal (axle of gear- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (100) Silver color metal (spring- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (101) Muddy yellow body (capacitor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (102) Silver color metal (lead of capacitor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (103) Black plastic (switch of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (104) Silver color metal (frame of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (105) Silver color metal (clip of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (106) Dull silver color metal (spring of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (107) Silver color metal (bead of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (108) Brown fibre board with red glue (PCB of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (109) Silver color metal (lead of slide switch- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (110) Solder (PCB- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (111) Blue/ brown fibre board (PCB- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (112) Brown body with silver color metal (SMD capacitor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (113) Blue fibre board (PCB- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (114) Off white plastic (cap of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (115) Off white plastic (contact plate holder of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (116) Copper color metal (contact plate of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (117) Dark copper color body (carbon brush of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (118) Copper color metal (washer of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (119) Silver grey metal (case of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (120) Dull silver color metal (U clip of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (121) Dark grey metal with white printing (magnet of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (122) White plastic (ring of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (123) Gold color metal (ring of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (124) Red paper (ring of commutator of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (125) Copper color metal (commutator case of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

## Tested Components:

- (126) Dark grey body with silver color printing (commutator holder of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (127) Brown plastic (commutator of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (128) Copper color metal (coil of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (129) White plastic (rotor cover of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (130) Silver color metal (rotor of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (131) Silver color metal (axle of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (132) Gold color metal (contact plate holder of motor- 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (133) Yellow plastic (gear- 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

Date sample received : Sep 28, 2021  
 Test Period : Sep 28, 2021 to Oct 08, 2021

(45) Phthalate Content Test

Test Method : IEC 62321-8:2017, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (% w/w)			Limit (% w/w)
	(1)	(2)	(3)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(4)	(5)	(6)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(7)	(8)	(9)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(10)	(11)	(12)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(13)	(14)	(15)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(16)	(17)	(18)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (% w/w)			Limit (% w/w)
	(19)	(20)	(21)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(22)	(23)	(24)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25)	(26)	(27)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(28)	(29)	(30)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(31)	(32)	(33)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(34)	(35)	(36)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(37)	(38)	(39)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(40)	(41)	(42)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(43)	(44)	(45)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)		Limit (% w/w)
	(46)	(47)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	0.1

The above limit was quoted according to Commission Delegated Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).
- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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## TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (36) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (39) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (40) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (41) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (44) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (45) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (47) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(46) Phthalate Content Test

Test Method : BS EN 62321-8:2017, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (%, w/w)			Limit (%, w/w)
	(1)	(2)	(3)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(4)	(5)	(6)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(7)	(8)	(9)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(10)	(11)	(12)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(13)	(14)	(15)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(16)	(17)	(18)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(19)	(20)	(21)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(22)	(23)	(24)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(25)	(26)	(27)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(28)	(29)	(30)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(31)	(32)	(33)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

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# TEST REPORT

Number : HKGH02787104 S1

Compound	Result (%, w/w)			Limit (%, w/w)
	(34)	(35)	(36)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(37)	(38)	(39)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(40)	(41)	(42)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)			Limit (%, w/w)
	(43)	(44)	(45)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (%, w/w)		Limit (%, w/w)
	(46)	(47)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	0.1

The above limits were quoted from The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012 No. 3032) as amended, Regulation 3(1) on restricted substances content in homogeneous materials.

Tested Components:

- (1) Translucent white plastic (Resin #X0018).
- (2) Translucent white plastic (Resin #X0036).
- (3) White plastic (Resin #X0052).
- (4) Translucent white/black plastic (Resin #X0090).
- (5) Shiny black plastic (Resin #X0123).
- (6) White plastic (Resin #X0129).
- (7) Beige plastic (Resin #X0169).
- (8) Translucent white plastic (Resin #X0182).
- (9) Lime green plastic (Colorant #Y0087).
- (10) Red plastic (Colorant #Y0123).
- (11) White plastic (Colorant #Y0136).
- (12) Fluorescent yellow plastic (Colorant #Y0156).
- (13) Silver color plastic (Colorant #Y0188).
- (14) Deep blue plastic (Colorant #Y0192).
- (15) Silver color plastic (Colorant #Y0207).
- (16) Blue plastic (Colorant #Y0218).
- (17) Shiny black plastic (Colorant #Y0255).
- (18) Black plastic (Colorant #Y0322).
- (19) Dull black plastic (Colorant #Y0324).
- (20) Light grey plastic (Colorant #Y0336).
- (21) Light tan color plastic (Colorant #Y0345).
- (22) Deep purple plastic (Colorant #Y0352).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (23) Dark grey plastic (Colorant #Y0353).
- (24) Dark green plastic (Colorant #Y0354).
- (25) Orange plastic (Colorant #Y0355).
- (26) Deep blue plastic (Colorant #Y0356).
- (27) Dull orange plastic (Colorant #Y0357).
- (28) Dark red plastic (Colorant #Y0363).
- (29) Dull yellow plastic (Colorant #Y0369).
- (30) Slate blue plastic (Colorant #Y0390).
- (31) Coatings (black, white) on paper label (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (32) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (33) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (34) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (35) Paper label excluding (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (36) Red plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (37) Black plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (38) Green plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (39) White plastic (wire covering - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (40) Off white plastic (gear - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).

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# TEST REPORT

Number : HKGH02787104 S1

### Tested Components:

- (41) Light brown PCB (PCB of slide switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (42) Blue/ light brown PCB (PCB - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (43) Plastic parts of motor (motor - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)) (internal).
- (44) Coatings on paper sheet (INX06 - (Herald Instructions)).
- (45) Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (46) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (47) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Date sample received : Mar 24, 2021, Aug 03, 2021, Aug 11, 2021, Sep 16, 2021 and Mar 07, 2022

Test Period : Jun 29, 2021 to Mar 14, 2022

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# TEST REPORT

Number : HKGH02787104 S1

(47) Physical and Mechanical Tests

Test Standard : Australian / New Zealand standard AS/NZS ISO 8124-1:2019 + Amd 1:2020 + Amd 2:2020 - safety aspects related to mechanical and physical properties.

Age group for testing : For Ages Over 8 Years

Clause	Requirement	Assessment
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	NA
4.3	Material	P
4.4	Small parts	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	NA
4.7	Points	NA
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	P
4.11	Cords and elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	P
4.14	Springs	NA
4.15	Stability and overload requirement	NA
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Flying toys	NA
4.20	Aquatic toys	NA
4.21	Braking	NA
4.22	Toy bicycles	NA
4.23	Speed limitation of electrically driven ride-on toys	NA
4.24	Toys containing a heat source	NA
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA
4.27	Toy roller skates and toy skateboards	NA
4.28	Percussion caps	NA
4.29	Acoustic requirements	NA
4.30	Toy scooters	NA
4.31	Magnets and magnetic components	NA
4.32	Yo-yo balls	NA
4.33	Straps intended to be worn fully or partially around the neck	NA
4.34	Sledges and toboggans with cords for pulling	NA
4.35	Jaw entrapment in handles and steering wheels	NA
4.36	Assembly	NA



# TEST REPORT

Number : HKGH02787104 S1

Clause	Requirement	Assessment
ANNEX B	Safety labelling guidelines and manufacturer's markings	P
ANNEX D	Toy gun marking	NA

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

## (48) Flammability Test

Test Standard : Australian/New Zealand Standard AS/NZS 8124.2: 2016

Clause	Requirement	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in a play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys with a piled or textile surface	NA

Abbreviation : P = Pass NA = Not Applicable

Additional Information: Butane gas was used in the test burner.

Date sample received : Jun 29, 2021

Test Period : Jun 29, 2021 to Jul 05, 2021

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# TEST REPORT

Number : HKGH02787104 S1

(49) Toxic Elements Analysis

Test Method : Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma Optical Emission Spectrometry.

Materials other than modelling clay:

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(7)	(8)	(9)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(10)	(11)	(12)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(13)	(14)	(15)	
Soluble Barium (Ba)	<5	<5	31	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Barium (Ba)	80	43	36	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(19)	(20)	(21)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)			Limit (mg/kg)
	(25)	(26)	(27)	
Soluble Barium (Ba)	<5	45	64	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(28)	(29)	(30)	
Soluble Barium (Ba)	62	75	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(31)	(32)	(33)	
Soluble Barium (Ba)	70	46	61	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (mg/kg)			Limit (mg/kg)
	(34)	(35)	(36)	
Soluble Barium (Ba)	71	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

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# TEST REPORT

Number : HKGH02787104 S1

	Result (mg/kg)		Limit (mg/kg)
	(38)	(39)	
Soluble Barium (Ba)	<5	<5	1000
Soluble Lead (Pb)	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	75
Soluble Antimony (Sb)	<5	<5	60
Soluble Selenium (Se)	<5	<5	500
Soluble Chromium (Cr)	<5	<5	60
Soluble Mercury (Hg)	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	25

mg/kg = milligram per kilogram

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Tested Components:

- (1) Black plastic (on/ off switch - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (2) Green plastic (2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (3) Yellow plastic (holder - 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (4) Paper label with (black, white) coatings (label - 2086.5 R2a light (310 rpm)-silver w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2128.6 R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 92840 - R2a light (34rpm)-blue w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2272.2 R2a light (45rpm) - green w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6), 2389.1 R2a light (22 rpm)-black w/label - @Herald w/hydrel gears, thermofuse & RoHS cert., 130 series motor (2xAA/LR6)).
- (5) Paper sheet with coatings (INX06 - (Herald Instructions)).
- (6) White thread (binding of Herald Instructions).
- (7) Translucent white plastic (Resin #X0018).
- (8) Translucent white plastic (Resin #X0036).
- (9) White plastic (Resin #X0052).
- (10) Translucent white/black plastic (Resin #X0090).

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# TEST REPORT

Number : HKGH02787104 S1

Tested Components:

- (11) Shiny black plastic (Resin #X0123).
- (12) White plastic (Resin #X0129).
- (13) Beige plastic (Resin #X0169).
- (14) Translucent white plastic (Resin #X0182).
- (15) Lime green plastic (Colorant #Y0087).
- (16) Red plastic (Colorant #Y0123).
- (17) White plastic (Colorant #Y0136).
- (18) Fluorescent yellow plastic (Colorant #Y0156).
- (19) Silver color plastic (Colorant #Y0188).
- (20) Deep blue plastic (Colorant #Y0192).
- (21) Silver color plastic (Colorant #Y0207).
- (22) Blue plastic (Colorant #Y0218).
- (23) Shiny black plastic (Colorant #Y0255).
- (24) Black plastic (Colorant #Y0322).
- (25) Dull black plastic (Colorant #Y0324).
- (26) Light grey plastic (Colorant #Y0336).
- (27) Light tan color plastic (Colorant #Y0345).
- (28) Deep purple plastic (Colorant #Y0352).
- (29) Dark grey plastic (Colorant #Y0353).
- (30) Dark green plastic (Colorant #Y0354).
- (31) Orange plastic (Colorant #Y0355).
- (32) Deep blue plastic (Colorant #Y0356).
- (33) Dull orange plastic (Colorant #Y0357).
- (34) Dark red plastic (Colorant #Y0363).
- (35) Dull yellow plastic (Colorant #Y0369).
- (36) Slate blue plastic (Colorant #Y0390).
- (37) @ Black coating on plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (38) Gold color plastic (body #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).
- (39) Black plastic (body, wheels #2415.517 - Micro Coaster Car, Molded Metallic Gold (SS axles)).

Decision Rule:

∞ : Materials are deemed to comply with the requirements if the adjusted analytical result is less than or equal to the limit of this table.

The analytical result of materials shall be adjusted by subtracting the analytical correction in below table to obtain an adjusted analytical of result.

Elements	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction(%)	60	60	30	30	30	30	50	60

Date sample received : Sep 28, 2021

Test Period : Sep 28, 2021 to Mar 24, 2022

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## TEST REPORT

Number : HKGH02787104 S1



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End of report

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To: BASIC FUN, INC.  
Attention: JOHN ZIMMER

Ref: FC-2022-1504  
Date: Mar 25, 2022

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Re : Report Revision Notification

Intertek Testing Services Report Number HKGH02787104 Dated Oct 12, 2021

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services report, HKGH02787104 S1.

Thank you for your attention.

For and on behalf of :  
Intertek Testing Services HK Ltd.



Cindy I.K. Chan  
Vice President