

TEST REPORT

Applicant: EDISON NATION LLC
11 WEST BROAD STREET
SUITE 1004 BETHLEHEM
PA 18018

Number: HKGH0271137401

Date: Jul 23, 2021

Attn: TRACY SHI

Submitted samples said to be
Item Name

- : 7473-DR Twilight Buddies Dragon
- : 7473-WUN Twilight Buddies Unicorn
- : 7473-BB Twilight Buddies Bunny
- : 7323-ZZ Twilight Turtle classic
- : 7323-BL Twilight Turtle Blue
- : 7323-PR Twilight Turtle Purple
- : 7353-PK Twilight Ladybug Pink
- : 7353-ZZ Twilight Ladybug-Classic
- : 7106-BB Benny the Bunny
- : 7106-PP Patch the Puppy
- : 7304-Z8 Sleep Sheep Smart sensor
- : 8524-OW8 Nighty night Owl Smart sensor

Quantity : 6 pieces each
 Labelled Age Group : "0+"
 Packaging Provided : Yes
 Manufacturer : Edison Nation LLC
 Buyer : Edison Nation LLC
 Country of Origin : China

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



Cindy I.K. Chan
Vice President



TEST REPORT

Number : HKGH0271137401

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) EN 71-1:2014 + A1:2018 - Mechanical and physical properties	Pass
(2) EN 71-2:2011 + A1:2014 - Flammability Test	Pass
(3) EN 71-3:2019 - Migration of certain elements	Pass
(4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(5) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. 552/2009 & 2018/2005 - Phthalates content	Pass
(6) RoHS Directive (2011/65/EU) - Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment	Pass
(7) RoHS Directive (2011/65/EU) and amendment Commission Delegated Directive (EU) 2015/863 - Phthalates content	Pass
(8) EN 62115 : 2005 + A12 : 2015 Safety of electric toys	Pass (Subjected to remark enclosed)
(9) EN IEC 62115 : 2020 + A11 : 2020 Safety of electric toys excluding clauses 15.5	Pass (Subjected to remark enclosed)
(10) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment (EC) no. 552/2009 and (EU) no. 2096/2020 - Azocolourants content ∞	Pass
(11) U.S. ASTM F963-17 - Physical and Mechanical tests	Pass
(12) U.S. ASTM F963-17 Section 4.25, & 6.5 - Battery-operated toys	Pass
(13) ASTM F963-17 - Flammability Test of Materials other than textile materials	Pass



TEST REPORT

Number : HKGH0271137401

<u>Requirement</u>	<u>Result</u>
(14) ASTM F963-17 - Total Lead content	Pass
(15) ASTM F963-17 - Soluble heavy elements test ∞	Pass
(16) 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
(17) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in non-surface coating materials (substrate)	Pass
(18) ASTM F963-17 - Section 4.3.7 Stuffing Cleanliness Test	Pass
(19) US CPSC 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates - Phthalate content	Pass
(20) 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
(21) California Proposition 65 for toys, Consent Judgement no. RG-356892 - Lead content	Pass
(22) California Proposition 65, Consent Judgement No. RG-678798 settled by superior court of the state of California for the county of Alameda - Tris(2-chloroethyl) phosphate, Tris(1,3-dichloroisopropyl) phosphate content requirement for Plush toy	Pass
(23) The measured emission level of the apparatus did not exceed the accessible emission limit according to EN IEC 62115: 2020 + A11: 2020, Annex E	

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.grd.by/decision-rule-doc>.
If decision rule already inhaled in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



TEST REPORT

Number : HKGH0271137401

(1) Mechanical and Physical Test

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

Age group for testing : For All Ages

Clause	Testing Items
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.4.2.2	Seams and materials (70 N)
8.5	Drop test (850 mm x 5)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
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	NA
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	P
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	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
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



TEST REPORT

Number : HKGH0271137401

Clause	Requirement	Assessment
5.8	Shape and size of certain toys	P
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
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	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile Toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	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



TEST REPORT

Number : HKGH0271137401

The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

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 trade mark, 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	Present	Present
Importer's name	Present	Present
Importer's address	Present	Absent (Other item) /Absent #(7473)
Product identification code	Absent	Present
CE-marking	Present	Present

= Great Britain-based authorised representatives will no longer be recognised in EU from 1 January 2021. Therefore, EU importer's name and address shall be indicated on the product itself.

Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was found on the submitted samples.

Date sample received : Apr 19, 2021

Test Period : Apr 19, 2021 to Apr 29, 2021



TEST REPORT

Number : HKGH0271137401

(2) Flammability Test

Test Standard : European Standard on Safety of Toys 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	P

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 29, 2021

(3) 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
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(10)	(11)	(12)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(16)	(17)	(18)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(19)	(20)	(21)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(22)	(23)	(24)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(28)	(29)	(30)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(31)	(32)	(33)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(34)	(35)	(36)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(37)	(38)	(39)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(40)	(41)	(42)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(43)	(44)	(45)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(46)	(47)	(48)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(49)	(50)	(51)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(52)	(53)	(54)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(55)	(56)	(57)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(58)	(59)	(60)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(61)	(62)	(63)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(64)	(65)	(66)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(67)	(68)	(69)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(70)	(71)	(72)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(73)	(74)	(75)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)			Limit (mg/kg)
	(76)	(77)	(78)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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)
	(79)	(80)	(81)	
Soluble Aluminium (Al)	<300	<300	<300	70000
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



TEST REPORT

Number : HKGH0271137401

	Result (mg/kg)	Limit (mg/kg)
	(82)	
Soluble Aluminium (Al)	<300	70000
Soluble Antimony (Sb)	<10	560
Soluble Arsenic (As)	<10	47
Soluble Barium (Ba)	<10	18750
Soluble Boron (B)	<50	15000
Soluble Cadmium (Cd)	<5	17
Soluble Chromium (III) (Cr III)	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	0.053
Soluble Cobalt (Co)	<10	130
Soluble Copper (Cu)	<10	7700
Soluble Lead (Pb)	<10	23
Soluble Manganese (Mn)	<10	15000
Soluble Mercury (Hg)	<10	94
Soluble Nickel (Ni)	<10	930
Soluble Selenium (Se)	<10	460
Soluble Strontium (Sr)	<100	56000
Soluble Tin (Sn)	<10	180000
Soluble Organic tin ++	<2.0	12
Soluble Zinc (Zn)	<100	46000

mg/kg = milligram per kilogram

++ : 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.

Tested Components:

- (1) Brown coating on plastic (back of Twilight Turtle Classic).
- (2) Blue coating on plastic (back of Twilight Turtle Blue).
- (3) Purple coating on plastic (back of Twilight Turtle Purple).
- (4) Coatings (pink, deep pink) on plastic (back of Twilight Ladybug Pink).
- (5) Coatings (red, black) on plastic (back of Twilight Ladybug-Classic).
- (6) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (7) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (8) Blue plastic (battery case of Twilight Buddies Dragon).
- (9) Pale blue hooked velcro with pale blue thread (covering of battery case of Twilight Buddies Dragon).
- (10) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (11) Pink plastic (battery case of Twilight Buddies Unicorn).
- (12) Off-white hooked velcro with white thread (covering of battery case of Twilight Buddies Unicorn).
- (13) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (14) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (15) Pale brown hooked velcro with pale brown thread (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (16) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (17) Deep brown plastic (button of Twilight Turtle Classic).
- (18) Green hooked velcro with green thread (covering of battery case of Twilight Turtle Classic).
- (19) Blue plastic (button of Twilight Turtle Blue).
- (20) Blue hooked velcro with blue thread (covering of battery case of Twilight Turtle Blue).
- (21) Purple plastic (button of Twilight Turtle Purple).
- (22) Purple hooked velcro with purple thread (covering of battery case of Twilight Turtle Purple).
- (23) Pale pink plastic (button of Twilight Ladybug Pink).
- (24) Pink hooked velcro with pink thread (covering of battery case of Twilight Ladybug Pink).
- (25) Deep red plastic (button of Twilight Ladybug-Classic).
- (26) Brown hooked velcro with brown thread (covering of battery case of Twilight Ladybug-Classic).
- (27) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (28) Grey hooked velcro (head, back of Benny the Bunny).
- (29) Grey looped velcro with grey thread (head, back of Benny the Bunny).
- (30) Pale brown looped velcro with off-white thread (head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (31) White satin with black printing (sewn-in label of all type sample).
- (32) Purple fabric with iridescent printing (horn, wing, feet of Twilight Buddies Unicorn).
- (33) White velour with pale brown printing (ear, sole of Benny the Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor, belly of Nighty night Owl Smart sensor).
- (34) Pale yellow ribbon with brown printing (tie of Sleep Sheep Smart sensor).
- (35) White woven with brown printing (wing, ear of Nighty night Owl Smart sensor).
- (36) White woven with brown/pale brown printings (wing, ear of Nighty night Owl Smart sensor).
- (37) Deep blue velour (body of Twilight Buddies Dragon).
- (38) Light green velour (wing, horn, hair of Twilight Buddies Dragon).
- (39) Deep blue brushed knit (covering of battery case, nose of Twilight Buddies Dragon).
- (40) Black embroidery thread (eyes of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Benny the Bunny, Patch the Puppy, mouth of Twilight Turtle Classic, Twilight Ladybug-Classic, eyes, mouth of Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink).
- (41) White embroidery thread (eyes of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Benny the Bunny, Patch the Puppy, eye socket, belly of Nighty night Owl Smart sensor).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (42) 8mm white plush (body of Twilight Buddies Unicorn).
- (43) 60mm pink plush (hair, tail of Twilight Buddies Unicorn).
- (44) White brushed knit (covering of battery case of Twilight Buddies Unicorn).
- (45) 10mm pale brown plush (body of Twilight Buddies Bunny, Nighty night Owl Smart sensor).
- (46) Pale brown velour (ear of Twilight Buddies Bunny).
- (47) Pale brown brushed knit (covering of battery case of Twilight Buddies Bunny).
- (48) Grey felt (nose of Twilight Buddies Bunny).
- (49) Light brown embroidery thread (nose, mouth of Twilight Buddies Bunny).
- (50) Green velour (body of Twilight Turtle Classic).
- (51) Green brushed knit (covering of battery case of Twilight Turtle Classic).
- (52) Black felt (eyes of Twilight Turtle Classic, Twilight Ladybug-Classic).
- (53) Blue velour (body of Twilight Turtle Blue).
- (54) Blue brushed knit (covering of battery case of Twilight Turtle Blue).
- (55) Purple velour (body of Twilight Turtle Purple).
- (56) Purple brushed knit (covering of battery case of Twilight Turtle Purple).
- (57) Deep pink velour (body, feet of Twilight Ladybug pink).
- (58) Pink velour (body of Twilight Ladybug pink).
- (59) Pink brushed knit (covering of battery case of Twilight Ladybug pink).
- (60) Black velour (body, feet of Twilight Ladybug-Classic).
- (61) Grey velour (body of Twilight Ladybug-Classic).
- (62) Brown brushed knit (covering of battery case of Twilight Ladybug-Classic).
- (63) 10mm grey plush (body of Benny of Bunny).
- (64) Grey woven (lining of back of Benny the Bunny).
- (65) Grey embroidery thread (nose of Benny of Bunny).
- (66) 10mm light brown plush (body of Patch the Puppy).
- (67) 10mm ivory plush (ear, eye socket, belly of Patch the Puppy).
- (68) 5mm brown plush (nose of Patch the Puppy).
- (69) Light brown woven (lining of back of Patch the Puppy).
- (70) Ivory looped plush (body of Sleep Sheep Smart sensor).
- (71) Khaki velour (hat, ear, feet of hat of Sleep Sheep Smart sensor).
- (72) Brown embroidery thread (eyes, mouth of Sleep Sheep Smart sensor).
- (73) Ivory woven (lining of back of Sleep Sheep Smart sensor).
- (74) Brown yarn knit (wing, foot of Nighty night Owl Smart sensor).
- (75) Brown knit (wing, foot of Nighty night Owl Smart sensor).
- (76) Khaki brushed knit (mouth of Nighty night Owl Smart sensor).
- (77) Off-white brushed knit (eye socket of Nighty night Owl Smart sensor).
- (78) Pale brown felt (eye socket of Nighty night Owl Smart sensor).
- (79) Pale brown woven (lining of back of Nighty night Owl Smart sensor).
- (80) Deep brown embroidery thread (eyes of Nighty night Owl Smart sensor).
- (81) Light brown embroidery thread (eye socket, belly of Nighty night Owl Smart sensor).
- (82) White woven with blue/pale blue/yellow/white thread stitching (sewn-in label of all type sample).

Date sample received : Apr 19, 2021 and May 24, 2021

Test Period : Apr 19, 2021 to May 26, 2021



TEST REPORT

Number : HKGH0271137401

(4) 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
(1/2/3)	ND	0.01
(4/5/6)	ND	0.01
(7/8/9)	ND	0.01
(10/11/12)	ND	0.01
(13/14/15)	ND	0.01
(16/17/18)	ND	0.01
(19/20/21)	ND	0.01
(22/23)	ND	0.01
(24)	ND	0.1
(25/26)	ND	0.01
(27/28)	ND	0.01
(29/30/31)	ND	0.01
(32/33/34)	ND	0.01
(35/36/37)	ND	0.01
(38/39/40)	ND	0.01
(41/42/43)	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) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (2) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (3) Blue plastic (battery case of Twilight Buddies Dragon).
- (4) Pale blue hooked velcro with pale blue thread (covering of battery case of Twilight Buddies Dragon).
- (5) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (6) Pink plastic (battery case of Twilight Buddies Unicorn).
- (7) Off-white hooked velcro with white thread (covering of battery case of Twilight Buddies Unicorn).
- (8) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (9) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (10) Pale brown hooked velcro with pale brown thread (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (11) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (12) Deep brown plastic (button of Twilight Turtle Classic).
- (13) Green hooked velcro with green thread (covering of battery case of Twilight Turtle Classic).
- (14) Blue plastic (button of Twilight Turtle Blue).
- (15) Blue hooked velcro with blue thread (covering of battery case of Twilight Turtle Blue).
- (16) Purple plastic (button of Twilight Turtle Purple).
- (17) Purple hooked velcro with purple thread (covering of battery case of Twilight Turtle Purple).
- (18) Pale pink plastic (button of Twilight Ladybug Pink).
- (19) Pink hooked velcro with pink thread (covering of battery case of Twilight Ladybug Pink).
- (20) Deep red plastic (button of Twilight Ladybug-Classic).
- (21) Brown hooked velcro with brown thread (covering of battery case of Twilight Ladybug-Classic).
- (22) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (23) Grey hooked velcro (head, back of Benny the Bunny).
- (24) Coatings (green, white) on paper label (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (25) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (26) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).
- (27) Black foam (battery box cover of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (28) Transparent plastic (washer of battery box cover of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (29) Translucent white/black plastic (key pad of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (30) Shiny black plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (31) Red plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (32) Orange plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (33) Translucent orange plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (34) Translucent purple plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (35) Translucent green plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (36) Translucent pink plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (37) Translucent brown plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (38) Transparent glue (inner body of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (39) Brown PCB (PCB of switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (40) White printed brown PCB (PCB of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (41) Transparent plastic (LED of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (42) Off-white plastic (inner body of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (43) Green printed brown PCB (PCB of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).

Date sample received : Apr 19, 2021
Test Period : Apr 19, 2021 to May 26, 2021



TEST REPORT

Number : HKGH0271137401

(5) 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)	(2/3/4)	(5/6/7)	
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)
	(8/9/10)	(11/12/13)	(14/15/16)	
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)
	(17/18/19)	(20/21/22)	(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



TEST REPORT

Number : HKGH0271137401

Four Phthalates content:

Compound	Result (%, w/w)			Limit (%, w/w)
	(25/26/27)	(28/29/30)	(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

Compound	Result (%, w/w)			Limit (%, w/w)
	(34/35/36)	(37/38/39)	(40/41/42)	
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)
	(43/44)			
Dibutyl phthalate (DBP)	<0.01			--
Diethyl hexyl phthalate (DEHP)	<0.01			--
Benzyl butyl phthalate (BBP)	<0.01			--
Diisobutyl phthalate (DIBP)	<0.01			--
Sum of DBP, DEHP, BBP & DIBP	<0.01			0.1

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) Coatings on sample (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (2) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (3) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (4) Blue plastic (battery case of Twilight Buddies Dragon).
- (5) Pale blue hooked velcro (covering of battery case of Twilight Buddies Dragon).
- (6) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (7) Pink plastic (battery case of Twilight Buddies Unicorn).
- (8) Off-white hooked velcro (covering of battery case of Twilight Buddies Unicorn).
- (9) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (10) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (11) Pale brown hooked velcro (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (12) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (13) Deep brown plastic (button of Twilight Turtle Classic).
- (14) Green hooked velcro (covering of battery case of Twilight Turtle Classic).
- (15) Blue plastic (button of Twilight Turtle Blue).
- (16) Blue hooked velcro (covering of battery case of Twilight Turtle Blue).
- (17) Purple plastic (button of Twilight Turtle Purple).
- (18) Purple hooked velcro (covering of battery case of Twilight Turtle Purple).
- (19) Pale pink plastic (button of Twilight Ladybug Pink).
- (20) Pink hooked velcro (covering of battery case of Twilight Ladybug Pink).
- (21) Deep red plastic (button of Twilight Ladybug-Classic).
- (22) Brown hooked velcro (covering of battery case of Twilight Ladybug-Classic).
- (23) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (24) Grey hooked velcro (head, back of Benny the Bunny).
- (25) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (26) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).
- (27) White paper label excluding green coating (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (28) Black foam (battery box cover of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (29) Transparent plastic (washer of battery box cover of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (30) Translucent white/black plastic (key pad of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (31) Shiny black plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (32) Red plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (33) Orange plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (34) Translucent orange plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (35) Translucent purple plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (36) Translucent green plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (37) Translucent pink plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (38) Translucent brown plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (39) Transparent glue (inner body of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (40) Brown PCB (PCB of switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (41) White printed brown PCB (PCB of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (42) Transparent plastic (LED of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (43) Off-white plastic (inner body of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (44) Green printed brown PCB (PCB of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).

Date sample received : Apr 19, 2021
Test Period : Apr 19, 2021 to Apr 30, 2021



TEST REPORT

Number : HKGH0271137401

(6) 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	NA	--
(4)	ND	ND	ND	ND	ND	--
(5)	ND	ND	ND	ND	ND	--
(6)	ND	ND	ND	ND	NA	--
(7)	ND	ND	ND	ND	NA	--
(8)	ND	ND	ND	ND	ND	--
(9)	ND	ND	ND	ND	ND	--
(10)	ND	ND	ND	ND	D	--
(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	--
(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	--



TEST REPORT

Number : HKGH0271137401

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(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	#	PBBs:ND PBDEs: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	--
(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	#	PBBs:ND PBDEs:ND



TEST REPORT

Number : HKGH0271137401

Screened Components	XRF Results (mg/kg)					Chemical Confirmation Result
	Cd	Pb	Hg	Cr	Br	
(87)	ND	ND	ND	ND	ND	--
(88)	ND	ND	ND	ND	ND	--
(89)	ND	D	ND	ND	NA	--
(90)	ND	ND	ND	ND	NA	--
(91)	ND	ND	ND	D	NA	--
(92)	ND	ND	ND	ND	NA	--
(93)	ND	ND	ND	ND	ND	--
(94)	ND	ND	ND	ND	ND	--
(95)	ND	ND	ND	ND	ND	--
(96)	ND	ND	ND	ND	ND	--
(97)	ND	ND	ND	ND	ND	--
(98)	ND	ND	ND	ND	ND	--
(99)	ND	ND	ND	ND	ND	--
(100)	ND	ND	ND	ND	ND	--
(101)	ND	ND	ND	ND	NA	--
(102)	ND	ND	ND	ND	ND	--
(103)	ND	ND	ND	ND	NA	--
(104)	ND	D	ND	ND	NA	--
(105)	ND	ND	ND	ND	NA	--
(106)	ND	ND	ND	ND	ND	--
(107)	ND	ND	ND	ND	NA	--
(108)	ND	ND	ND	ND	ND	--
(109)	ND	ND	ND	ND	NA	--
(110)	ND	ND	ND	ND	ND	--
(111)	ND	ND	ND	ND	ND	--
(112)	ND	ND	ND	ND	ND	--
(113)	ND	ND	ND	ND	NA	--
(114)	ND	ND	ND	ND	ND	--
(115)	ND	ND	ND	ND	ND	--
(116)	ND	ND	ND	ND	ND	--
(117)	ND	ND	ND	ND	ND	--
(118)	ND	ND	ND	ND	ND	--

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



TEST REPORT

Number : HKGH0271137401

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)

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

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

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



TEST REPORT

Number : HKGH0271137401

(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.

(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 ⁶⁺) 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 ⁶⁺) Content (For Leather)	With reference to EN ISO17075 : 2007, by phosphate butter extraction and determined by UV-VIS spectrophotometer	1 mg/kg
Chromium (VI) (Cr ⁶⁺) 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 ²
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



TEST REPORT

Number : HKGH0271137401

The explanation of Chromium VI (Cr⁶⁺) analysis result (For Metal)

Colorimetric result	Qualitative result	Explanation
< 0.10 µg/cm ²	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 ² and ≤ 0.13 µg/cm ²	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 ²	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.

(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 ⁶⁺)	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.



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (1) Shiny blue plastic (back, button of Twilight Buddies Dragon).
 - (2) Blue plastic (battery case of Twilight Buddies Dragon).
 - (3) Silver color metal (screw).
 - (4) Transparent plastic (washer).
 - (5) Black foam backed with adhesive (pad).
 - (6) Silver color metal (nut).
 - (7) Blue plated metal (washer screw).
 - (8) Off white plastic (inner block).
 - (9) Pale blue hooked velcro.
 - (10) Deep blue velour (body of Twilight Buddies Dragon).
 - (11) Light green velour (wing, horn, hair of Twilight Buddies Dragon).
 - (12) Deep blue brushed knit (covering of battery case, nose of Twilight Buddies Dragon).
 - (13) Black/ white embroidery thread with fabric backing (eyes of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Benny the Bunny, Patch the Puppy, mouth of Twilight Turtle Classic, Twilight Ladybug-Classic, eyes, mouth of Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink).
 - (14) White satin with black printing (sewn-in label of all type sample).
 - (15) White woven with blue/pale blue/yellow/white thread stitching (sewn-in label of all type sample).
 - (16) Dim white plastic (cable tie).
 - (17) White staffing material (inner body).
 - (18) White webbing (inner body).
 - (19) 8mm white plush (body of Twilight Buddies Unicorn).
 - (20) 60mm pink plush (hair, tail of Twilight Buddies Unicorn).
 - (21) White brushed knit (covering of battery case of Twilight Buddies Unicorn).
 - (22) Pink fabric with iridescent printing (wings of Twilight Buddies Unicorn).
 - (23) White foam (inner wings of Twilight Buddies Unicorn).
 - (24) White mesh (inner wings of Twilight Buddies Unicorn).
 - (25) Pink embroidery thread with fabric backing (horn, wings of Twilight Buddies Unicorn).
 - (26) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
 - (27) Pink plastic (battery case of Twilight Buddies Unicorn).
 - (28) Ivory plastic (battery case).
 - (29) Off-white hooked velcro.
 - (30) 10mm pale brown plush (body of Twilight Buddies Bunny, Nighty night Owl Smart sensor).
 - (31) Pale brown velour (ear of Twilight Buddies Bunny).
 - (32) Pale brown brushed knit (covering of battery case of Twilight Buddies Bunny).
 - (33) Grey felt (nose of Twilight Buddies Bunny).
 - (34) Light brown embroidery thread with fabric backing (nose, mouth of Twilight Buddies Bunny).
 - (35) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
 - (36) Pale brown plastic (battery case of Twilight Buddies Bunny).
 - (37) Pale brown hooked velcro.
 - (38) Green velour (body of Twilight Turtle Classic).
 - (39) Green brushed knit (covering of battery case of Twilight Turtle Classic).
 - (40) Black felt (eyes of Twilight Turtle Classic, Twilight Ladybug-Classic).
 - (41) Greyish white plastic with coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
 - (42) Black plastic (battery case of Twilight Turtle Classic).
- *****



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (43) Deep brown plastic (button of Twilight Turtle Classic).
 - (44) Translucent glue.
 - (45) Green hooked velcro.
 - (46) Blue velour (body of Twilight Turtle Blue).
 - (47) Blue brushed knit (covering of battery case of Twilight Turtle Blue).
 - (48) Blue plastic (button of Twilight Turtle Blue).
 - (49) Blue hooked velcro.
 - (50) Purple velour (body of Twilight Turtle Purple).
 - (51) Purple brushed knit (covering of battery case of Twilight Turtle Purple).
 - (52) Purple plastic (button of Twilight Turtle Purple).
 - (53) Purple hooked velcro.
 - (54) Deep pink velour (body, feet of Twilight Ladybug pink).
 - (55) Pink velour (body of Twilight Ladybug pink).
 - (56) Pink brushed knit (covering of battery case of Twilight Ladybug pink).
 - (57) Pale pink plastic (button of Twilight Ladybug Pink).
 - (58) Pink hooked velcro.
 - (59) Black velour (body, feet of Twilight Ladybug-Classic).
 - (60) Grey velour (body of Twilight Ladybug-Classic).
 - (61) Brown brushed knit (covering of battery case of Twilight Ladybug-Classic).
 - (62) Brown hooked velcro.
 - (63) Deep red plastic (button of Twilight Ladybug-Classic).
 - (64) 10mm grey plush (body of Benny of Bunny).
 - (65) Grey woven (lining of back of Benny of Bunny).
 - (66) Grey embroidery thread with fabric backing (nose of Benny of Bunny).
 - (67) Grey hooked velcro.
 - (68) Grey looped velcro.
 - (69) White velour with pale brown printing (body of Benny of Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor).
 - (70) 10mm light brown plush (body of Patch the Puppy).
 - (71) 10mm off-white plush (ear, eye socket, belly of Patch the Puppy).
 - (72) 5mm brown plush (nose of Patch the Puppy).
 - (73) Light brown woven (lining of back of Patch the Puppy, Sleep Sheep Smart sensor).
 - (74) Pale brown looped velcro.
 - (75) Ivory looped plush (body of Sleep Sheep Smart sensor).
 - (76) Khaki velour (hat, ear, feet of hat of Sleep Sheep Smart sensor).
 - (77) Brown embroidery thread with fabric backing (eyes, mouth of Sleep Sheep Smart sensor).
 - (78) Pale yellow ribbon with brown printing (body of Sleep Sheep Smart sensor).
 - (79) Brown yarn knit (wing, foot of Nighty night Owl Smart sensor).
 - (80) Brown knit (wing, foot of Nighty night Owl Smart sensor).
 - (81) Khaki brushed knit (mouth of Nighty night Owl Smart sensor).
 - (82) Off-white brushed knit (eye socket of Nighty night Owl Smart sensor).
 - (83) Pale brown felt (eye socket of Nighty night Owl Smart sensor).
 - (84) Pale brown woven (lining of back of Nighty night Owl Smart sensor).
 - (85) Deep brown embroidery thread with fabric backing (eyes of Nighty night Owl Smart sensor).
 - (86) Light brown embroidery thread with fabric backing (eye socket, belly of Nighty night Owl Smart sensor).
 - (87) White woven with brown printing (wing, ears of Nighty night Owl Smart sensor).
- *****



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (88) White woven with brown/pale brown printing (wing, ears of Nighty night Owl Smart sensor).
- (89) Blue plated metal (screw).
- (90) Silver color metal (battery spring).
- (91) Silver color metal (battery contact plate).
- (92) Solder (on battery contact plate).
- (93) Red plastic (wire insulator).
- (94) Black plastic (wire insulator).
- (95) Orange plastic (wire insulator).
- (96) Pale orange plastic (wire insulator).
- (97) Purple plastic (wire insulator).
- (98) Green plastic (wire insulator).
- (99) Pink plastic (wire insulator).
- (100) Brown plastic (wire insulator).
- (101) Copper color metal (wire).
- (102) White plastic (switch of slide switch).
- (103) Black plated metal (frame of slide switch).
- (104) Silver color metal (spring of slide switch).
- (105) Silver color metal (contact plate of slide switch).
- (106) Light brown fibre board (PCB of slide switch).
- (107) Silver color metal (lead of slide switch).
- (108) Translucent/ black plastic (key pad).
- (109) Solder (on PCB).
- (110) Green fibre board (green PCB).
- (111) Dim white/ white fibre board (dim white/ white PCB).
- (112) Transparent plastic (LED).
- (113) Silver color metal (lead of LED).
- (114) White body with black printing and silver color metal (SMD resistor).
- (115) Brown body with silver color metal (SMD capacitor).
- (116) Black epoxy with chip (SMD IC).
- (117) White fibre board (white PCB).
- (118) Pale blue fibre board (blue PCB).

Date sample received : Apr 19, 2021

Test Period : Apr 19, 2021 to Apr 28, 2021



TEST REPORT

Number : HKGH0271137401

(7) 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)	(2/3/4)	(5/6/7)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(8/9/10)	(11/12/13)	(14/15/16)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(17/18/19)	(20/21/22)	(23/24)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(25/26/27)	(28/29/30)	(31/32/33)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(34/35/36)	(37/38/39)	(40/41/42)	
Diisobutyl phthalate (DIBP)	<0.01	<0.01	<0.01	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(43/44)			
Diisobutyl phthalate (DIBP)	<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.

Tested Components:

- (1) Coatings on sample (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (2) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (3) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (4) Blue plastic (battery case of Twilight Buddies Dragon).
- (5) Pale blue hooked velcro (covering of battery case of Twilight Buddies Dragon).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (6) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (7) Pink plastic (battery case of Twilight Buddies Unicorn).
- (8) Off-white hooked velcro (covering of battery case of Twilight Buddies Unicorn).
- (9) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (10) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (11) Pale brown hooked velcro (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (12) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (13) Deep brown plastic (button of Twilight Turtle Classic).
- (14) Green hooked velcro (covering of battery case of Twilight Turtle Classic).
- (15) Blue plastic (button of Twilight Turtle Blue).
- (16) Blue hooked velcro (covering of battery case of Twilight Turtle Blue).
- (17) Purple plastic (button of Twilight Turtle Purple).
- (18) Purple hooked velcro (covering of battery case of Twilight Turtle Purple).
- (19) Pale pink plastic (button of Twilight Ladybug Pink).
- (20) Pink hooked velcro (covering of battery case of Twilight Ladybug Pink).
- (21) Deep red plastic (button of Twilight Ladybug-Classic).
- (22) Brown hooked velcro (covering of battery case of Twilight Ladybug-Classic).
- (23) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (24) Grey hooked velcro (head, back of Benny the Bunny).
- (25) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (26) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).
- (27) White paper label excluding green coating (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (28) Black foam (battery box cover of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (29) Transparent plastic (washer of battery box cover of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (30) Translucent white/black plastic (key pad of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (31) Shiny black plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (32) Red plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (33) Orange plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (34) Translucent orange plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (35) Translucent purple plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (36) Translucent green plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (37) Translucent pink plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (38) Translucent brown plastic (wire covering of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (39) Transparent glue (inner body of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (40) Brown PCB (PCB of switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (41) White printed brown PCB (PCB of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (42) Transparent plastic (LED of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (43) Off-white plastic (inner body of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (44) Green printed brown PCB (PCB of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).

Date sample received : Apr 19, 2021

Test Period : Apr 19, 2021 to Apr 30, 2021



TEST REPORT

Number : HKGH0271137401

(8) Safety of Electric Toys

Test Standard : European Standard EN 62115 : 2005 + A12 : 2015 on Safety of electric toys.

Age group for testing : For All Ages

Power source:

7473: 4.5V, LR6 size x3 pcs

7323, 7353: 4.5V, LR03 size x3 pcs

7106, 7304, 8524, 7520: 3V, LR6 size x2 pcs

Included battery: Yes, (LR6 size x3 pcs; LR6 size x2 pcs)

Operated function: Battery powered light and sound

Clause	Requirement	Assessment
1	Scope	--
2	Normative reference	--
3	Definitions	--
4	General requirement	--
5.13	Battery polarity reversed test	P
6	Criteria for reduced testing	--
7	Marking and instructions	P#1
8	Power input	NA
9	Heating and abnormal operation	P
10	Electric strength at operating temperature	P
11	Moisture resistance	P
12	Electric strength at room temperature	P
13	Mechanical strength	P
14	Construction	P
15	Protection of cords and wires	P
16	Components	P
17	Screws and connections	P
18	Clearances and creepage distances	P
19	Resistance to heat and fire	P
20	Toxicity and similar hazards	#2
	Radiation hazard - Annex E Toys incorporating laser / light-emitting diodes (LED)	#3
	Toys with an integrated field source - Annex ZC Toys generating Electromagnetic Fields (EMF)	NA
Annex A	Experimental sets	NA
Annex B	Needle flame test	NA
Annex C	Automatic controls and switches	NA
Annex D	Sequence of the tests of Clause 19	--
Annex ZB	Toys with protective electronic circuit influence from electromagnetic phenomena (EMP).	NA

Abbreviation : P = Pass NA = Not Applicable



TEST REPORT

Number : HKGH0271137401

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 = This report does not include test result of toxicity and similar hazard.
- #3 = This report does not include test result of IEC 60825-1 class 1 for the lasers / light emitting diodes (LEDs).

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 30, 2021

(9) Safety of Electric Toys

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

Age group for testing : For All Ages

size x3 pcs
 7323, 7353: 4.5V, LR03 size x3 pcs
 7106, 7304, 8524, 7520: 3V, LR6 size x2 pcs

Included battery: Yes, (LR6 size x3 pcs; LR6 size x2 pcs)

Operated function: Battery powered light and sound

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	NA
5.4	Movable parts	A
5.5	Detachable parts	NA
5.6	Settings	--
5.7	Selection of power supplies	A
	Carried out with one or more batteries reversed	P
5.8	Accessories and parts	NA
6	Criteria for reduced testing	NA
6.1	General	--



TEST REPORT

Number : HKGH0271137401

Clause	Requirement	Assessment
6.2	Short-circuit resistance	NA
6.3	Low power electric toys	NA
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	NA
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
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



TEST REPORT

Number : HKGH0271137401

Clause	Requirement	Assessment
14.2	Fixed parts	NA
15	Components	P
15.1.1	General	P
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	NC
	Supplied primary batteries comply with the relevant parts of the IEC 60086 series	NC#3
	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
D.2.7	Voltage dips and interruptions	NA
D.2.8	Mains signals	NA
Annex E	Safety of electric toys incorporating optical radiation sources	--
	19.E.2 - 19.E.4 Radiation Hazard	#4
	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	--



TEST REPORT

Number : HKGH0271137401

Clause	Requirement	Assessment
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 NC = Not Conducted 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.
 After checking, it was found that:

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
Importer's name	Present	Absent
Importer's address	Present	Absent
Product identification code	Absent	Present

#3 = As requested by the applicant, the Clause 15.5 was not assessed.
 Primary batteries supplied with electric toys shall comply with the relevant parts of the IEC 60086 series latest version.

#4 = Referred to test result in Annex E Clause 19.E.2-19.E.4.

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 30, 2021



TEST REPORT

Number : HKGH0271137401

(10) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis and confirmed by High-Performance Liquid Chromatography / Diode Array Detector (HPLC/DAD) analysis.

EN ISO 14362-1 : 2017 for Textile Material

Method T:

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(1/2/3)	(4/5/6)	(7/8/9)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(10/11/12)	(13/14)	(15/16)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(17/18/19)	(20/21/22)	(23/24/25)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(26/27/28)	(29/30/31)	(32/33/34)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(35/36/37)	(38/39/40)	(41/42)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(43/44/45)	(46/47/48)	(49/50)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)	
			(51/52)	(53)
1	4-Aminodiphenyl	92-67-1	N	N
2	Benzidine	92-87-5	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N
4	2-Naphthylamine	91-59-8	N	N
5	o-Aminoazotoluene	97-56-3	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N
7	p-Chloroaniline	106-47-8	N	N
8	2,4-Diaminoanisole	615-05-4	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N
14	p-Cresidine	120-71-8	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N
16	4,4'-Oxydianiline	101-80-4	N	N
17	4,4'-Thiodianiline	139-65-1	N	N
18	o-Toluidine	95-53-4	N	N
19	2,4-Toluylenediamine	95-80-7	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N
21	o-Anisidine	90-04-0	N	N
22	p-Aminoazobenzene	60-09-3	N	N



TEST REPORT

Number : HKGH0271137401

Method D:

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(1/2/3)	(4/5/6)	(7/8/9)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(10/11/12)	(13/14)	(15/16)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(17/18/19)	(20/21/22)	(23/24/25)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(26/27/28)	(29/30/31)	(32/33/34)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(35/36/37)	(38/39/40)	(41/42)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(43/44/45)	(46/47/48)	(49/50)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



TEST REPORT

Number : HKGH0271137401

No.	Forbidden Amine	CAS No.	Result (ppm)	
			(51/52)	(53)
1	4-Aminodiphenyl	92-67-1	N	N
2	Benzidine	92-87-5	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N
4	2-Naphthylamine	91-59-8	N	N
5	o-Aminoazotoluene	97-56-3	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N
7	p-Chloroaniline	106-47-8	N	N
8	2,4-Diaminoanisole	615-05-4	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N
14	p-Cresidine	120-71-8	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N
16	4,4'-Oxydianiline	101-80-4	N	N
17	4,4'-Thiodianiline	139-65-1	N	N
18	o-Toluidine	95-53-4	N	N
19	2,4-Toluylenediamine	95-80-7	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N
21	o-Anisidine	90-04-0	N	N
22	p-Aminoazobenzene	60-09-3	N	N

N = Not detected
 Detection limit = 5 ppm
 Requirement = 30 ppm (max.)

ppm = parts per million = mg/kg

- High Performance Liquid Chromatographic (HPLC) analysis was used to confirm any detected amines.
- The test component with p-aminoazobenzene less than detection limit was tested by EN ISO 14362-1 : 2017 for textile material / EN ISO 17234-1: 2015 for leather material.

Method T : Direct buffer extraction as per EN ISO 14362-1 : 2017 Section 10.2
 Method D : Colourant extraction with Xylene as per EN ISO 14362-1 : 2017 Section 10.1

If both methods T and D conducted, final conclusion was based on the highest value of each amine.



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (1) Pale blue hooked velcro (covering of battery case of Twilight Buddies Dragon).
- (2) Pale brown hooked velcro (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (3) Green hooked velcro (covering of battery case of Twilight Turtle Classic).
- (4) Blue hooked velcro (covering of battery case of Twilight Turtle Blue).
- (5) Purple hooked velcro (covering of battery case of Twilight Turtle Purple).
- (6) Pink hooked velcro (covering of battery case of Twilight Ladybug Pink).
- (7) Brown hooked velcro (covering of battery case of Twilight Ladybug-Classic).
- (8) Grey hooked velcro (head, back of Benny the Bunny).
- (9) Grey looped velcro (head, back of Benny the Bunny).
- (10) Pale brown looped velcro (head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (11) White woven with brown printing (wing, ear of Nighty night Owl Smart sensor).
- (12) White woven with brown/pale brown printings (wing, ear of Nighty night Owl Smart sensor).
- (13) White satin with black printing (sewn-in label of all type sample).
- (14) Purple fabric with iridescent printing (horn, wing, feet of Twilight Buddies Unicorn).
- (15) White velour with pale brown printing (ear, sole of Benny the Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor, belly of Nighty night Owl Smart sensor).
- (16) Pale yellow ribbon with brown printing (tie of Sleep Sheep Smart sensor).
- (17) Deep blue velour (body of Twilight Buddies Dragon).
- (18) Light green velour (wing, horn, hair of Twilight Buddies Dragon).
- (19) Deep blue brushed knit (covering of battery case, nose of Twilight Buddies Dragon).
- (20) Black/white embroidery thread backed with 8mm white plush (eyes of Twilight Buddies Unicorn).
- (21) 60mm pink plush (hair, tail of Twilight Buddies Unicorn).
- (22) 10mm pale brown plush (body of Twilight Buddies Bunny, Nighty night Owl Smart sensor).
- (23) Pale brown velour (ear of Twilight Buddies Bunny).
- (24) Pale brown brushed knit (covering of battery case of Twilight Buddies Bunny).
- (25) Green velour (body of Twilight Turtle Classic).
- (26) Green brushed knit (covering of battery case of Twilight Turtle Classic).
- (27) Blue velour (body of Twilight Turtle Blue).
- (28) Blue brushed knit (covering of battery case of Twilight Turtle Blue).
- (29) Purple velour (body of Twilight Turtle Purple).
- (30) Purple brushed knit (covering of battery case of Twilight Turtle Purple).
- (31) Deep pink velour (body, feet of Twilight Ladybug pink).
- (32) Pink velour (body of Twilight Ladybug pink).
- (33) Pink brushed knit (covering of battery case of Twilight Ladybug pink).
- (34) Black velour (body, feet of Twilight Ladybug-Classic).
- (35) Grey velour (body of Twilight Ladybug-Classic).
- (36) Brown brushed knit (covering of battery case of Twilight Ladybug-Classic).
- (37) 10mm grey plush (body of Benny of Bunny).
- (38) Grey woven (lining of back of Benny the Bunny).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (39) 10mm light brown plush (body of Patch the Puppy).
- (40) 10mm ivory plush (ear, eye socket, belly of Patch the Puppy).
- (41) Light brown woven (lining of back of Patch the Puppy).
- (42) Ivory woven (lining of back of Sleep Sheep Smart sensor).
- (43) Ivory looped plush (body of Sleep Sheep Smart sensor).
- (44) Khaki velour (hat, ear, feet of hat of Sleep Sheep Smart sensor).
- (45) Brown embroidery thread backed with Ivory looped plush (eyes, mouth of Sleep Sheep Smart sensor).
- (46) Brown yarn knit (wing, foot of Nighty night Owl Smart sensor).
- (47) Brown knit (wing, foot of Nighty night Owl Smart sensor).
- (48) Khaki brushed knit (mouth of Nighty night Owl Smart sensor).
- (49) Pale brown felt (eye socket of Nighty night Owl Smart sensor).
- (50) Pale brown woven (lining of back of Nighty night Owl Smart sensor).
- (51) Deep brown embroidery thread backed with off-white brush knit (eyes of Nighty night Owl Smart sensor).
- (52) Light brown embroidery thread backed with off-white brush knit (eye socket, belly of Nighty night Owl Smart sensor).
- (53) White woven with blue/pale blue/yellow/white thread stitching (sewn-in label of all type sample).

Decision Rule:

∞ : In the case of levels per amine component is equal or smaller than 30 ppm:
According to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected. The tested sample/component were in compliance with requirement.

In the case of levels per amine component is greater than 30 ppm:
The analytical result suggests that the commodity submitted has been manufactured or treated using azo colorant/s which can release one or more of certain listed amines by cleavage of their azo group/s at levels greater than 30 ppm. The tested sample/component did not comply the requirement.

Date sample received : Apr 19, 2021 and May 24, 2021

Test Period : Apr 19, 2021 to May 25, 2021



TEST REPORT

Number : HKGH0271137401

(11) Physical and Mechanical Tests

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

Age group for testing : For All Ages

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations : -		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Compression test	Section 1500.53(g)	30 lbf
Drop Test	Section 1500.51(b)	10 x 4.5 ft
Tension test	Section 1500.53(f)	15 lbf
Torque test	Section 1500.53(e)	4 in-lbf

Clause	Requirement	Assessment
4.1	Material quality	P
4.5	Sound producing toys	P
4.6.1	Toys intended for children under 36 months of age	P
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	P
4.8	Projection	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	P
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	P
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	P
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



TEST REPORT

Number : HKGH0271137401

Clause	Requirement	Assessment
4.41	Toy chests	NA
5	Labeling requirements	P
6	Instructional literature	P
7	Producer's marking	
	- Name of producer / distributor	Yes
	- Address	Yes

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 : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 29, 2021

(12) Battery-Operated Toys

Test Standard : Section 4.25, 5.15 & 6.5 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Age group for testing : For All Ages

Clause	Requirement	Assessment
4.25.1	Battery marking	P
4.25.2	Maximum allowable direct current potential	P
4.25.3	Protection against charging non-rechargeable battery	P
4.25.4	Accessible batteries	P
4.25.5	Accessible batteries that can fit completely within small part cylinder	P
4.25.6	Isolation of batteries of different types or capacities	NA
4.25.7	Temperature of battery surface	P
4.25.8	Temperature of battery surface or combustion hazard after normal use and abuse test	P
4.25.9	Instruction requirement in section 6.5	P
4.25.10	Battery-powered of ride on toys	NA
5.15	Non-replaceable batteries	NA
5.15.2	Instruction for button or coin cell batteries	NA
6.5	Instruction on safe battery usage	P

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 29, 2021



TEST REPORT

Number : HKGH0271137401

(13) Flammability Tests

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

Sample	Ignition point	Burn length (inch)	Time (sec)	Burn Rate (inch/sec)	Limit (inch/sec)
Bunny	edge	1.8	60	0.03	0.10

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

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 29, 2021

(14) 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:

Tested Component	Result in ppm	Limit in ppm
(1/2/3)	<20	90
(4)	<20	90
(5)	<20	90
(36)	<20	90

Substrate:

Tested Component	Result in ppm	Limit in ppm
(6/7/8)	<20	100
(9/10/11)	<20	100
(12/13/14)	<20	100
(15/16/17)	<20	100
(18/19/20)	<20	100
(21/22/23)	<20	100
(24/25/26)	<20	100
(27/28)	<20	100
(29/30)	<20	100
(31/32)	<20	100
(33/34)	<20	100
(35)	<20	100
(37/38)	<20	100



TEST REPORT

Number : HKGH0271137401

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) Brown coating on plastic (back of Twilight Turtle Classic).
- (2) Blue coating on plastic (back of Twilight Turtle Blue).
- (3) Purple coating on plastic (back of Twilight Turtle Purple).
- (4) Coatings (pink, deep pink) on plastic (back of Twilight Ladybug Pink).
- (5) Coatings (red, black) on plastic (back of Twilight Ladybug-Classic).
- (6) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (7) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (8) Blue plastic (battery case of Twilight Buddies Dragon).
- (9) Pale blue hooked velcro with pale blue thread (covering of battery case of Twilight Buddies Dragon).
- (10) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (11) Pink plastic (battery case of Twilight Buddies Unicorn).
- (12) Off-white hooked velcro with white thread (covering of battery case of Twilight Buddies Unicorn).
- (13) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (14) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (15) Pale brown hooked velcro with pale brown thread (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (16) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (17) Deep brown plastic (button of Twilight Turtle Classic).
- (18) Green hooked velcro with green thread (covering of battery case of Twilight Turtle Classic).
- (19) Blue plastic (button of Twilight Turtle Blue).
- (20) Blue hooked velcro with blue thread (covering of battery case of Twilight Turtle Blue).
- (21) Purple plastic (button of Twilight Turtle Purple).
- (22) Purple hooked velcro with purple thread (covering of battery case of Twilight Turtle Purple).
- (23) Pale pink plastic (button of Twilight Ladybug Pink).
- (24) Pink hooked velcro with pink thread (covering of battery case of Twilight Ladybug Pink).
- (25) Deep red plastic (button of Twilight Ladybug-Classic).
- (26) Brown hooked velcro with brown thread (covering of battery case of Twilight Ladybug-Classic).
- (27) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (28) Grey hooked velcro (head, back of Benny the Bunny).
- (29) White satin with black printing (sewn-in label of all type sample).
- (30) Purple fabric with iridescent printing (horn, wing, feet of Twilight Buddies Unicorn).
- (31) White velour with pale brown printing (ear, sole of Benny the Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor, belly of Nighty night Owl Smart sensor).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (32) Pale yellow ribbon with brown printing (tie of Sleep Sheep Smart sensor).
- (33) White woven with brown printing (wing, ear of Nighty night Owl Smart sensor).
- (34) White woven with brown/pale brown printings (wing, ear of Nighty night Owl Smart sensor).
- (35) Silver color metal (crosshead screw of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (36) Coatings (green, white) on paper label (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (37) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (38) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to May 26, 2021

(15) 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

	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



TEST REPORT

Number : HKGH0271137401

	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	<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)
	(16)	(17)	(18)	
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



TEST REPORT

Number : HKGH0271137401

	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	<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)
	(28)	(29)	(30)	
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



TEST REPORT

Number : HKGH0271137401

	Result (ppm)			Limit (ppm)
	(31)	(32)	(33)	
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)
	(34)	(35)	(36)	
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)
	(37)	(38)	(39)	
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)
	(40)	(41)	(42)	
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



TEST REPORT

Number : HKGH0271137401

	Result (ppm)			Limit (ppm)
	(43)	(44)	(45)	
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)
	(46)	(47)	(48)	
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)
	(49)	(50)	(51)	
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)
	(52)	(53)	(54)	
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



TEST REPORT

Number : HKGH0271137401

	Result (ppm)			Limit (ppm)
	(55)	(56)	(57)	
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)
	(58)	(59)	(60)	
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)
	(61)	(62)	(63)	
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)
	(64)	(65)	(66)	
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



TEST REPORT

Number : HKGH0271137401

	Result (ppm)			Limit (ppm)
	(67)	(68)	(69)	
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)
	(70)	(71)	(72)	
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)
	(73)	(74)	(75)	
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)
	(76)	(77)	(78)	
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



TEST REPORT

Number : HKGH0271137401

	Result (ppm)			Limit (ppm)
	(79)	(80)	(81)	
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)
	(82)	(83)	(84)	
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)
	(85)	(86)	(87)	
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)
	(88)	(89)	(90)	
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



TEST REPORT

Number : HKGH0271137401

	Result (ppm)	Limit (ppm)
	(91)	
Soluble Barium (Ba)	<5	1000
Soluble Lead (Pb)	<5	90
Soluble Cadmium (Cd)	<5	75
Soluble Antimony (Sb)	<5	60
Soluble Selenium (Se)	<5	500
Soluble Chromium (Cr)	<5	60
Soluble Mercury (Hg)	<5	60
Soluble Arsenic (As)	<2.5	25

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

Tested Components:

- (1) Brown coating on plastic (back of Twilight Turtle Classic).
- (2) Blue coating on plastic (back of Twilight Turtle Blue).
- (3) Purple coating on plastic (back of Twilight Turtle Purple).
- (4) Coatings (pink, deep pink) on plastic (back of Twilight Ladybug Pink).
- (5) Coatings (red, black) on plastic (back of Twilight Ladybug-Classic).
- (6) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (7) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (8) Blue plastic (battery case of Twilight Buddies Dragon).
- (9) Pale blue hooked velcro with pale blue thread (covering of battery case of Twilight Buddies Dragon).
- (10) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (11) Pink plastic (battery case of Twilight Buddies Unicorn).
- (12) Off-white hooked velcro with white thread (covering of battery case of Twilight Buddies Unicorn).
- (13) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (14) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (15) Pale brown hooked velcro with pale brown thread (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (16) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (17) Deep brown plastic (button of Twilight Turtle Classic).
- (18) Green hooked velcro with green thread (covering of battery case of Twilight Turtle Classic).
- (19) Blue plastic (button of Twilight Turtle Blue).
- (20) Blue hooked velcro with blue thread (covering of battery case of Twilight Turtle Blue).
- (21) Purple plastic (button of Twilight Turtle Purple).
- (22) Purple hooked velcro with purple thread (covering of battery case of Twilight Turtle Purple).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (23) Pale pink plastic (button of Twilight Ladybug Pink).
 - (24) Pink hooked velcro with pink thread (covering of battery case of Twilight Ladybug Pink).
 - (25) Deep red plastic (button of Twilight Ladybug-Classic).
 - (26) Brown hooked velcro with brown thread (covering of battery case of Twilight Ladybug-Classic).
 - (27) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
 - (28) Grey hooked velcro (head, back of Benny the Bunny).
 - (29) Grey looped velcro with grey thread (head, back of Benny the Bunny).
 - (30) Pale brown looped velcro with off-white thread (head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
 - (31) White satin with black printing (sewn-in label of all type sample).
 - (32) Purple fabric with iridescent printing (horn, wing, feet of Twilight Buddies Unicorn).
 - (33) White velour with pale brown printing (ear, sole of Benny the Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor, belly of Nighty night Owl Smart sensor).
 - (34) Pale yellow ribbon with brown printing (tie of Sleep Sheep Smart sensor).
 - (35) White woven with brown printing (wing, ear of Nighty night Owl Smart sensor).
 - (36) White woven with brown/pale brown printings (wing, ear of Nighty night Owl Smart sensor).
 - (37) Deep blue velour (body of Twilight Buddies Dragon).
 - (38) Light green velour (wing, horn, hair of Twilight Buddies Dragon).
 - (39) Deep blue brushed knit (covering of battery case, nose of Twilight Buddies Dragon).
 - (40) Black embroidery thread (eyes of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Benny the Bunny, Patch the Puppy, mouth of Twilight Turtle Classic, Twilight Ladybug-Classic, eyes, mouth of Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink).
 - (41) White embroidery thread (eyes of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Benny the Bunny, Patch the Puppy, eye socket, belly of Nighty night Owl Smart sensor).
 - (42) 8mm white plush (body of Twilight Buddies Unicorn).
 - (43) 60mm pink plush (hair, tail of Twilight Buddies Unicorn).
 - (44) White brushed knit (covering of battery case of Twilight Buddies Unicorn).
 - (45) 10mm pale brown plush (body of Twilight Buddies Bunny, Nighty night Owl Smart sensor).
 - (46) Pale brown velour (ear of Twilight Buddies Bunny).
 - (47) Pale brown brushed knit (covering of battery case of Twilight Buddies Bunny).
 - (48) Grey felt (nose of Twilight Buddies Bunny).
 - (49) Light brown embroidery thread (nose, mouth of Twilight Buddies Bunny).
 - (50) Green velour (body of Twilight Turtle Classic).
 - (51) Green brushed knit (covering of battery case of Twilight Turtle Classic).
 - (52) Black felt (eyes of Twilight Turtle Classic, Twilight Ladybug-Classic).
 - (53) Blue velour (body of Twilight Turtle Blue).
 - (54) Blue brushed knit (covering of battery case of Twilight Turtle Blue).
 - (55) Purple velour (body of Twilight Turtle Purple).
 - (56) Purple brushed knit (covering of battery case of Twilight Turtle Purple).
 - (57) Deep pink velour (body, feet of Twilight Ladybug pink).
 - (58) Pink velour (body of Twilight Ladybug pink).
 - (59) Pink brushed knit (covering of battery case of Twilight Ladybug pink).
 - (60) Black velour (body, feet of Twilight Ladybug-Classic).
 - (61) Grey velour (body of Twilight Ladybug-Classic).
- *****



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (62) Brown brushed knit (covering of battery case of Twilight Ladybug-Classic).
- (63) 10mm grey plush (body of Benny of Bunny).
- (64) Grey woven (lining of back of Benny the Bunny).
- (65) Grey embroidery thread (nose of Benny of Bunny).
- (66) 10mm light brown plush (body of Patch the Puppy).
- (67) 10mm ivory plush (ear, eye socket, belly of Patch the Puppy).
- (68) 5mm brown plush (nose of Patch the Puppy).
- (69) Light brown woven (lining of back of Patch the Puppy).
- (70) Ivory looped plush (body of Sleep Sheep Smart sensor).
- (71) Khaki velour (hat, ear, feet of hat of Sleep Sheep Smart sensor).
- (72) Brown embroidery thread (eyes, mouth of Sleep Sheep Smart sensor).
- (73) Ivory woven (lining of back of Sleep Sheep Smart sensor).
- (74) Brown yarn knit (wing, foot of Nighty night Owl Smart sensor).
- (75) Brown knit (wing, foot of Nighty night Owl Smart sensor).
- (76) Khaki brushed knit (mouth of Nighty night Owl Smart sensor).
- (77) Off-white brushed knit (eye socket of Nighty night Owl Smart sensor).
- (78) Pale brown felt (eye socket of Nighty night Owl Smart sensor).
- (79) Pale brown woven (lining of back of Nighty night Owl Smart sensor).
- (80) Deep brown embroidery thread (eyes of Nighty night Owl Smart sensor).
- (81) Light brown embroidery thread (eye socket, belly of Nighty night Owl Smart sensor).
- (82) White woven with blue/pale blue/yellow/white thread stitching (sewn-in label of all type sample).
- (83) Coatings (green, white) on paper label (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (84) White mesh (lining of wing of Twilight Buddies Unicorn, lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (85) Shiny white mesh (lining of wing of Twilight Buddies Unicorn, Nighty night Owl Smart sensor) (internal).
- (86) Pale brown mesh (lining of wing of Nighty night Owl Smart sensor) (internal).
- (87) White brushed knit (lining of head of Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (88) White stuffing material (lining of all type sample) (internal).
- (89) White webbing (binding of all type sample) (internal).
- (90) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (91) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).



TEST REPORT

Number : HKGH0271137401

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 result.

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

Date sample received : Apr 19, 2021 and May 24, 2021

Test Period : Apr 19, 2021 to May 26, 2021

(16) 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
(1/2/3)	<20	90
(4)	<20	90
(5)	<20	90
(6)	<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

Tested Components:

- (1) Brown coating on plastic (back of Twilight Turtle Classic).
- (2) Blue coating on plastic (back of Twilight Turtle Blue).
- (3) Purple coating on plastic (back of Twilight Turtle Purple).
- (4) Coatings (pink, deep pink) on plastic (back of Twilight Ladybug Pink).
- (5) Coatings (red, black) on plastic (back of Twilight Ladybug-Classic).
- (6) Coatings (green, white) on paper label (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).

Date sample received : Apr 19, 2021

Test Period : Apr 19, 2021 to May 26, 2021



TEST REPORT

Number : HKGH0271137401

(17) 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
(1/2/3)	<20	100
(4/5/6)	<20	100
(7/8/9)	<20	100
(10/11/12)	<20	100
(13/14/15)	<20	100
(16/17/18)	<20	100
(19/20/21)	<20	100
(22/23)	<20	100
(24/25)	<20	100
(26/27)	<20	100
(28/29)	<20	100
(30)	<20	100
(31/32)	<20	100

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) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (2) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (3) Blue plastic (battery case of Twilight Buddies Dragon).
- (4) Pale blue hooked velcro with pale blue thread (covering of battery case of Twilight Buddies Dragon).
- (5) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (6) Pink plastic (battery case of Twilight Buddies Unicorn).
- (7) Off-white hooked velcro with white thread (covering of battery case of Twilight Buddies Unicorn).
- (8) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (9) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (10) Pale brown hooked velcro with pale brown thread (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (11) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (12) Deep brown plastic (button of Twilight Turtle Classic).
- (13) Green hooked velcro with green thread (covering of battery case of Twilight Turtle Classic).
- (14) Blue plastic (button of Twilight Turtle Blue).
- (15) Blue hooked velcro with blue thread (covering of battery case of Twilight Turtle Blue).
- (16) Purple plastic (button of Twilight Turtle Purple).
- (17) Purple hooked velcro with purple thread (covering of battery case of Twilight Turtle Purple).
- (18) Pale pink plastic (button of Twilight Ladybug Pink).
- (19) Pink hooked velcro with pink thread (covering of battery case of Twilight Ladybug Pink).
- (20) Deep red plastic (button of Twilight Ladybug-Classic).
- (21) Brown hooked velcro with brown thread (covering of battery case of Twilight Ladybug-Classic).
- (22) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (23) Grey hooked velcro (head, back of Benny the Bunny).
- (24) White satin with black printing (sewn-in label of all type sample).
- (25) Purple fabric with iridescent printing (horn, wing, feet of Twilight Buddies Unicorn).
- (26) White velour with pale brown printing (ear, sole of Benny the Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor, belly of Nighty night Owl Smart sensor).
- (27) Pale yellow ribbon with brown printing (tie of Sleep Sheep Smart sensor).
- (28) White woven with brown printing (wing, ear of Nighty night Owl Smart sensor).
- (29) White woven with brown/pale brown printings (wing, ear of Nighty night Owl Smart sensor).
- (30) Silver color metal (crosshead screw of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (31) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (32) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).

Date sample received : Apr 19, 2021
Test Period : Apr 19, 2021 to May 26, 2021

(18) Stuffing Cleanliness Test

Test Standard : Section 4.3.7 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17.

Observation: After the stuffing cleanliness evaluation, no contaminant was found in stuffing materials of the submitted sample.

Date sample received : Apr 19, 2021
Test Period : Apr 19, 2021 to Apr 29, 2021



TEST REPORT

Number : HKGH0271137401

(19) 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)	(2/3/4)	(5/6/7)	
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)
	(8/9/10)	(11/12/13)	(14/15/16)	
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)
	(17/18/19)	(20/21/22)	(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



TEST REPORT

Number : HKGH0271137401

Compound	Result (% w/w)	Limit (% w/w)
	(25/26/27)	
Dibutyl phthalate (DBP)	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	0.1
Diisononyl phthalate (DINP)	<0.015	0.1
Diisobutyl phthalate (DIBP)	<0.01	0.1
Di-n-pentyl phthalate (DPP) / (DPENP)	<0.01	0.1
Di-n-hexyl phthalate (DNHP) / (DHEXP)	<0.01	0.1
Dicyclohexyl phthalate (DCHP)	<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) Coatings on sample (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (2) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (3) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (4) Blue plastic (battery case of Twilight Buddies Dragon).
- (5) Pale blue hooked velcro (covering of battery case of Twilight Buddies Dragon).
- (6) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (7) Pink plastic (battery case of Twilight Buddies Unicorn).
- (8) Off-white hooked velcro (covering of battery case of Twilight Buddies Unicorn).
- (9) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (10) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (11) Pale brown hooked velcro (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (12) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (13) Deep brown plastic (button of Twilight Turtle Classic).
- (14) Green hooked velcro (covering of battery case of Twilight Turtle Classic).
- (15) Blue plastic (button of Twilight Turtle Blue).
- (16) Blue hooked velcro (covering of battery case of Twilight Turtle Blue).
- (17) Purple plastic (button of Twilight Turtle Purple).
- (18) Purple hooked velcro (covering of battery case of Twilight Turtle Purple).
- (19) Pale pink plastic (button of Twilight Ladybug Pink).
- (20) Pink hooked velcro (covering of battery case of Twilight Ladybug Pink).
- (21) Deep red plastic (button of Twilight Ladybug-Classic).
- (22) Brown hooked velcro (covering of battery case of Twilight Ladybug-Classic).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (23) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (24) Grey hooked velcro (head, back of Benny the Bunny).
- (25) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (26) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).
- (27) White paper label excluding green coating (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).

Date sample received : Apr 19, 2021
 Test Period : Apr 19, 2021 to Apr 30, 2021

(20) Phthalate Content Test

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

Compound	Result (% , w/w)			Limit (% , w/w)
	(1)	(2/3/4)	(5/6/7)	
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)
	(8/9/10)	(11/12/13)	(14/15/16)	
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	--



TEST REPORT

Number : HKGH0271137401

Compound	Result (% w/w)			Limit (% w/w)
	(17/18/19)	(20/21/22)	(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			0.1
Diethyl hexyl phthalate (DEHP)	<0.01			0.1
Benzyl butyl phthalate (BBP)	<0.01			0.1
Diisodecyl phthalate (DIDP)	<0.01			0.1
Di-n-hexyl phthalate (DNHP)	<0.01			0.1
Diisononyl phthalate (DINP)	<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) Coatings on sample (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (2) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (3) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (4) Blue plastic (battery case of Twilight Buddies Dragon).
- (5) Pale blue hooked velcro (covering of battery case of Twilight Buddies Dragon).
- (6) Shiny pink plastic (back, button of Twilight Buddies Unicorn).
- (7) Pink plastic (battery case of Twilight Buddies Unicorn).
- (8) Off-white hooked velcro (covering of battery case of Twilight Buddies Unicorn).
- (9) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (10) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (11) Pale brown hooked velcro (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (12) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (13) Deep brown plastic (button of Twilight Turtle Classic).
- (14) Green hooked velcro (covering of battery case of Twilight Turtle Classic).
- (15) Blue plastic (button of Twilight Turtle Blue).
- (16) Blue hooked velcro (covering of battery case of Twilight Turtle Blue).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (17) Purple plastic (button of Twilight Turtle Purple).
- (18) Purple hooked velcro (covering of battery case of Twilight Turtle Purple).
- (19) Pale pink plastic (button of Twilight Ladybug Pink).
- (20) Pink hooked velcro (covering of battery case of Twilight Ladybug Pink).
- (21) Deep red plastic (button of Twilight Ladybug-Classic).
- (22) Brown hooked velcro (covering of battery case of Twilight Ladybug-Classic).
- (23) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (24) Grey hooked velcro (head, back of Benny the Bunny).
- (25) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (26) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).
- (27) White paper label excluding green coating (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).

Date sample received : Apr 19, 2021
Test Period : Apr 19, 2021 to Apr 30, 2021



TEST REPORT

Number : HKGH0271137401

(21) 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
(1/2/3)	<0.0020	0.009
(4)	<0.0020	0.009
(5)	<0.0020	0.009
(36)	<0.0020	0.009

Substrate:

Tested Component	Result in %, w/w	Limit in %, w/w
(6/7/8)	<0.0020	0.010
(9/10/11)	<0.0020	0.010
(12/13/14)	<0.0020	0.010
(15/16/17)	<0.0020	0.010
(18/19/20)	<0.0020	0.010
(21/22/23)	<0.0020	0.010
(24/25/26)	<0.0020	0.010
(27/28)	<0.0020	0.010
(29/30)	<0.0020	0.010
(31/32)	<0.0020	0.010
(33/34)	<0.0020	0.010
(35)	<0.0020	0.010
(37/38)	<0.0020	0.010

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) Brown coating on plastic (back of Twilight Turtle Classic).
- (2) Blue coating on plastic (back of Twilight Turtle Blue).
- (3) Purple coating on plastic (back of Twilight Turtle Purple).
- (4) Coatings (pink, deep pink) on plastic (back of Twilight Ladybug Pink).
- (5) Coatings (red, black) on plastic (back of Twilight Ladybug-Classic).
- (6) White plastic (switch of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (7) Shiny blue plastic (back, button of Twilight Buddies Dragon).
- (8) Blue plastic (battery case of Twilight Buddies Dragon).
- (9) Pale blue hooked velcro with pale blue thread (covering of battery case of Twilight Buddies Dragon).
- (10) Shiny pink plastic (back, button of Twilight Buddies Unicorn).



TEST REPORT

Number : HKGH0271137401

Tested Components:

- (11) Pink plastic (battery case of Twilight Buddies Unicorn).
- (12) Off-white hooked velcro with white thread (covering of battery case of Twilight Buddies Unicorn).
- (13) Shiny pale brown plastic (back, button of Twilight Buddies Bunny).
- (14) Pale brown plastic (battery case of Twilight Buddies Bunny).
- (15) Pale brown hooked velcro with pale brown thread (covering of battery case of Twilight Buddies Bunny, head, back of Patch the Puppy, Sleep Sheep Smart sensor, Nighty night Owl Smart sensor).
- (16) Greyish white plastic excluding coatings (back of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (17) Deep brown plastic (button of Twilight Turtle Classic).
- (18) Green hooked velcro with green thread (covering of battery case of Twilight Turtle Classic).
- (19) Blue plastic (button of Twilight Turtle Blue).
- (20) Blue hooked velcro with blue thread (covering of battery case of Twilight Turtle Blue).
- (21) Purple plastic (button of Twilight Turtle Purple).
- (22) Purple hooked velcro with purple thread (covering of battery case of Twilight Turtle Purple).
- (23) Pale pink plastic (button of Twilight Ladybug Pink).
- (24) Pink hooked velcro with pink thread (covering of battery case of Twilight Ladybug Pink).
- (25) Deep red plastic (button of Twilight Ladybug-Classic).
- (26) Brown hooked velcro with brown thread (covering of battery case of Twilight Ladybug-Classic).
- (27) Black plastic (battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (28) Grey hooked velcro (head, back of Benny the Bunny).
- (29) White satin with black printing (sewn-in label of all type sample).
- (30) Purple fabric with iridescent printing (horn, wing, feet of Twilight Buddies Unicorn).
- (31) White velour with pale brown printing (ear, sole of Benny the Bunny, Patch the Puppy, hat of Sleep Sheep Smart sensor, belly of Nighty night Owl Smart sensor).
- (32) Pale yellow ribbon with brown printing (tie of Sleep Sheep Smart sensor).
- (33) White woven with brown printing (wing, ear of Nighty night Owl Smart sensor).
- (34) White woven with brown/pale brown printings (wing, ear of Nighty night Owl Smart sensor).
- (35) Silver color metal (crosshead screw of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny, Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic).
- (36) Coatings (green, white) on paper label (sticker of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic) (internal).
- (37) Translucent white plastic (cable tie of battery case of Twilight Buddies Dragon, Twilight Buddies Unicorn, Twilight Buddies Bunny) (internal).
- (38) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).

Date sample received : Apr 19, 2021

Test Period : Apr 19, 2021 to May 26, 2021



TEST REPORT

Number : HKGH0271137401

(22) Flame Retardants

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

Compound	Result (ppm)	Limit (ppm)
	(1)	
Tris(2-chloroethyl) phosphate (TCEP)	<10	25
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	<10	25

The above limit was quoted from the consent judgement No. RG-678798 settled by superior court of the state of California for the county of Alameda, for Plush toy based on the California Proposition 65.

Detection limit = 10 ppm

ppm = parts per million = mg/kg

Tested Component:

- (1) Yellow foam (lining of covering of battery case of Twilight Turtle Classic, Twilight Turtle Blue, Twilight Turtle Purple, Twilight Ladybug Pink, Twilight Ladybug-Classic, lining of wing of Twilight Buddies Unicorn) (internal).

Date sample received : Apr 19, 2021

Test Period : Apr 19, 2021 to Apr 30, 2021



TEST REPORT

Number : HKGH0271137401

(23) Optical Radiation

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

Clause	Title/Description	Result
19.E.2	Light-emitting diodes (LEDs)	Pass
19.E.3	Lasers (IEC 60825-1: 2014)	Not Applicable
19.E.4	UV-emitting lamps	Not Applicable

Table of measuring data

For Yellow LED used in the #7473-DR, #7473-WUN, #7473-BB (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	591nm	15.4nm	200mm	1.47mW/sr	0.76W/sr
Fault	591nm	15.4nm	200mm	2.24mW/sr	0.76W/sr

For Green LED used in the #7473-DR, #7473-WUN, #7473-BB (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	518nm	32.0nm	200mm	2.69mW/sr	0.57W/sr
Fault	518nm	32.0nm	200mm	3.55mW/sr	0.57W/sr



TEST REPORT

Number : HKGH0271137401

For Blue LED used in the #7473-DR, #7473-WUN, #7473-BB (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	465nm	21.8nm	200mm	5.44mW/sr	0.06W/sr
Fault	465nm	21.8nm	200mm	7.85mW/sr	0.06W/sr

For Yellow LED used in the #7323-ZZ, #7323-BL, #7323-PR (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	592nm	15.8nm	200mm	1.80mW/sr	0.76W/sr
Fault	592nm	15.8nm	200mm	2.48mW/sr	0.76W/sr

For Green LED used in the #7323-ZZ, #7323-BL, #7323-PR (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	517nm	32.6nm	200mm	3.53mW/sr	0.54W/sr
Fault	517nm	32.6nm	200mm	4.75mW/sr	0.54W/sr

For Blue LED used in the #7323-ZZ, #7323-BL, #7323-PR (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	463nm	18.2nm	200mm	6.23mW/sr	0.06W/sr
Fault	463nm	18.2nm	200mm	9.47mW/sr	0.06W/sr



TEST REPORT

Number : HKGH0271137401

For Red LED used in the #7353-PK, #7353-ZZ (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	631nm	16.6nm	200mm	4.25mW/sr	0.76W/sr
Fault	631nm	16.6nm	200mm	7.14mW/sr	0.76W/sr

For Green LED used in the #7353-PK, #7353-ZZ (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	515nm	32.4nm	200mm	1.12mW/sr	0.48W/sr
Fault	515nm	32.4nm	200mm	4.05mW/sr	0.48W/sr

For Blue LED used in the #7353-PK, #7353-ZZ (water clear)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	463nm	19.8nm	200mm	4.82mW/sr	0.06W/sr
Fault	463nm	19.8nm	200mm	6.64mW/sr	0.06W/sr



TEST REPORT

Number : HKGH0271137401

Remark:

1. When determining the test conclusion, the Measurement Uncertainty of test has been considered. The decision rules are based on IEC Guide 115 with complying the relevant requirements of environment and equipment.
2. The test was conducted by operating the #7473-DR, #7473-WUN, #7473-BB, #7323-ZZ, #7323-BL, #7323-PR, #7353-PK, #7353-ZZ at rated voltage 4.5VDC and #7106-BB, #7106-PP, #7304-Z8, #8524-OW8, #7520-CH at rated voltage 3.0VDC.
3. 1 pc. 4.8mm round type water clear Yellow LED is used in the #7473-DR, #7473-WUN, #7473-BB, #7323-ZZ, #7323-BL, #7323-PR.
4. 1 pc. 4.8mm round type water clear Green LED is used in the #7473-DR, #7473-WUN, #7473-BB, #7323-ZZ, #7323-BL, #7323-PR.
5. 1 pc. 4.8mm round type water clear Blue LED is used in the #7473-DR, #7473-WUN, #7473-BB, #7323-ZZ, #7323-BL, #7323-PR.
6. 1 pc. 4.8mm round type water clear Red LED is used in the #7353-PK, #7353-ZZ.
7. 1 pc. 4.8mm round type water clear Green LED is used in the #7353-PK, #7353-ZZ.
8. 1 pc. 4.8mm round type water clear Blue LED is used in the #7353-PK, #7353-ZZ.
9. No LED is used in the #7106-BB, #7106-PP, #7304-Z8, #8524-OW8, #7520-CH.

Date sample received : Apr 19, 2021
Testing period : Apr 19, 2021 to May 14, 2021



TEST REPORT

Number : HKGH0271137401

HKGH0271137401-1



HKGH0271137401-2



HKGH0271137401-3



HKGH0271137401-4





TEST REPORT

Number : HKGH0271137401

HKGH0271137401-6



HKGH0271137401-8



HKGH0271137401-9



HKGH0271137401-10





TEST REPORT

Number : HKGH0271137401

HKGH0271137401-11



HKGH0271137401-12



HKGH0271137401-13

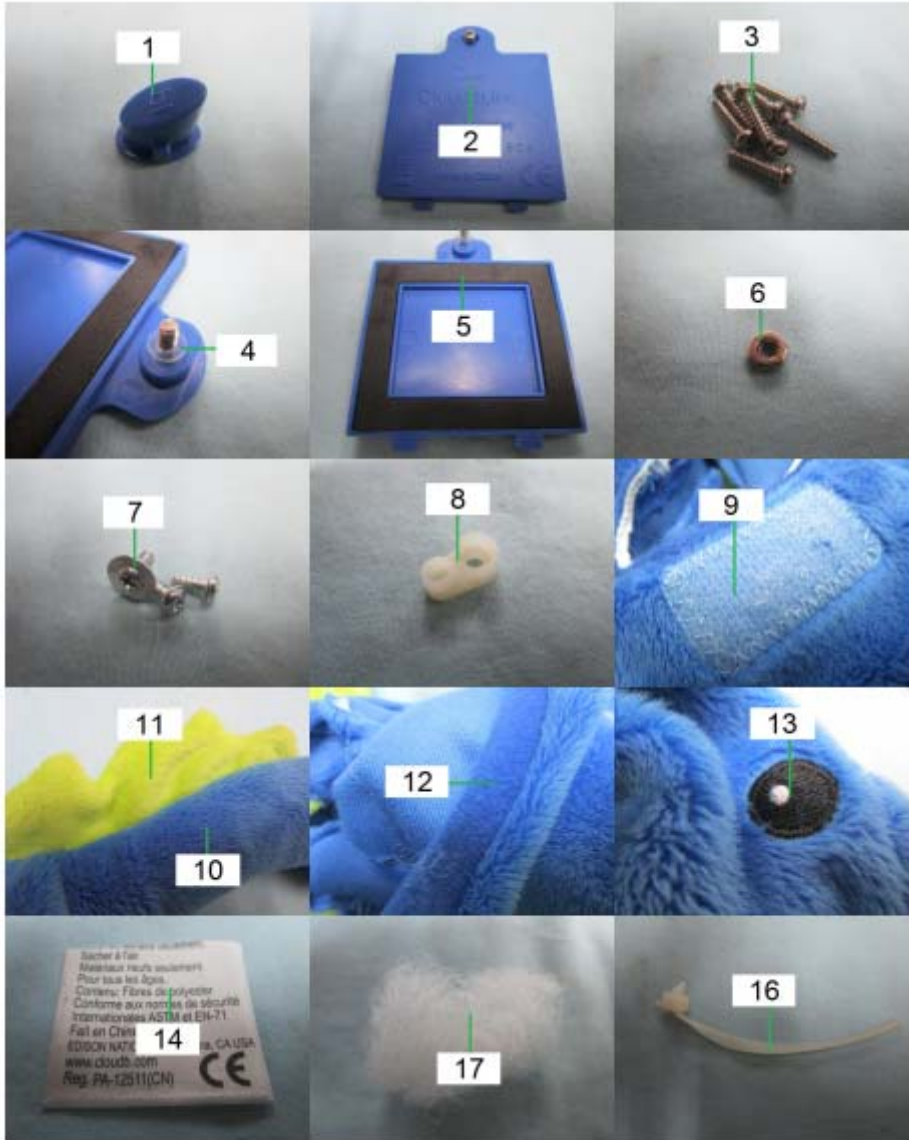




TEST REPORT

Number : HKGH0271137401

TESTED COMPONENTS PHOTOS





TEST REPORT

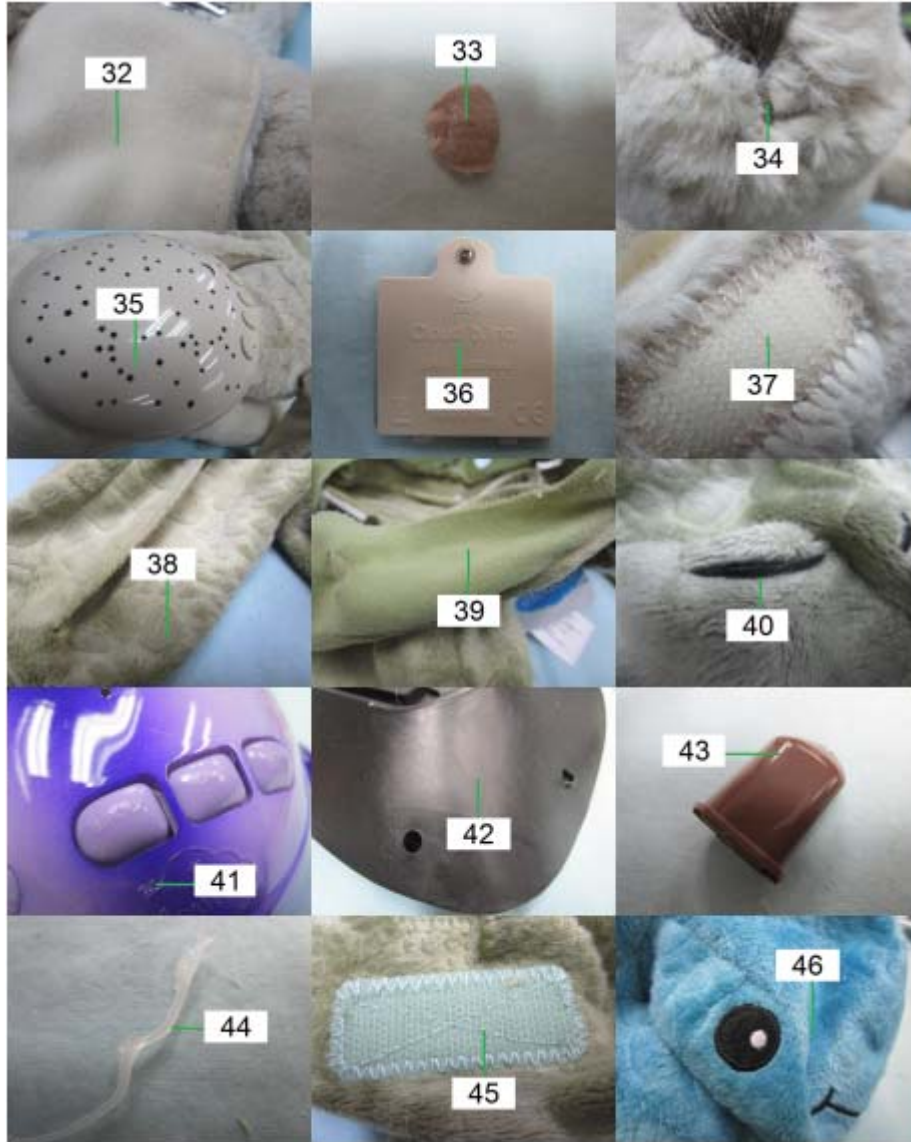
Number : HKGH0271137401





TEST REPORT

Number : HKGH0271137401





TEST REPORT

Number : HKGH0271137401





TEST REPORT

Number : HKGH0271137401





TEST REPORT

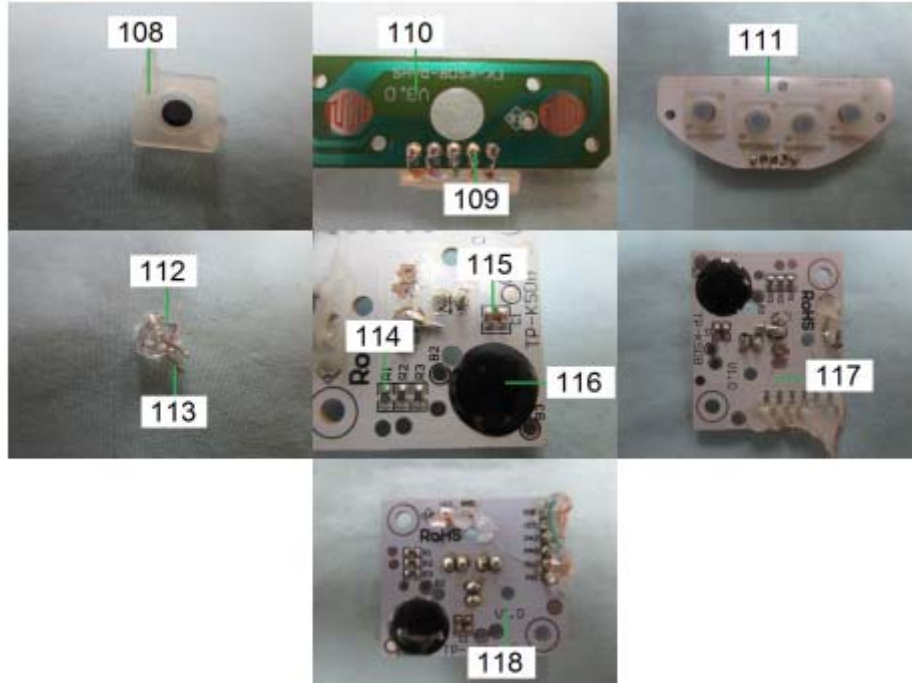
Number : HKGH0271137401





TEST REPORT

Number : HKGH0271137401



End of report

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to and subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Intertek is responsible for all the information provided in the reports, except when information is provided by the Client or when the Client requires the item to be tested acknowledging a deviation from specified conditions that can affect the validity of results.

The observations and test results in this report are relevant to the sample(s) tested and submitted by client. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. This report does not discharge or release you from your legal obligations and duties to any other person. Only the Client is authorized to permit copying or distribution of this report and the report shall not be reproduced except in full. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

