

## TEST REPORT

Applicant: EDISON NATION LLC  
DBA CLOUD B  
150 WEST WALNUT STREET SUITE 165  
GARDENA CA 90248  
USA  
  
Attn: TRACY SHI

Number: HKGH02550065  
  
Date: Aug 10, 2020

Submitted sample said to be :  
Item Name : (1) Twinkling Twilight Turtle Aqua  
  : (2) Twinkling Twilight Turtle Pink  
Item No. : (1) 7323-T2  
  : (2) 7323T2P  
Quantity : 6 pieces per color  
Labelled Age Group : "0+"  
Packaging Provided : Yes  
Manufacturer : Edison Nation Inc.  
Buyer : Cloud b Inc  
Country of Origin : China

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



Cindy I.K. Chan  
Vice President



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**Conclusion:**

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

| <u>Requirement</u>   | <u>Result</u>                       |
|--|-------------------------------------|
| (1) EN71-1: 2014 + A1: 2018<br>- Mechanical and Physical Properties  | Pass                                |
| (2) EN71-2 : 2011 + A1 : 2014<br>- Flammability Test   | Pass                                |
| (3) EN71-3 : 2013 + A3:2018<br>- Migration of certain elements   | Pass                                |
| (4) EN 71-3:2019<br>- Migration of certain elements  | Pass                                |
| (5) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217<br>- Cadmium content requirement  | Pass                                |
| (6) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. 552/2009 & 2018/2005 (Placed on the market after 7 July 2020)<br>- Phthalates content | Pass                                |
| (7) RoHS Directive (2011/65/EU)<br>- Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment                                     | Pass                                |
| (8) RoHS Directive (2011/65/EU) and amendment Commission Delegated Directive (EU) 2015/863 with effective from 22 July 2019<br>- Phthalates content                    | Pass                                |
| (9) EN 62115 : 2005 + A12 : 2015<br>- Safety of electric toys  | Pass (Subjected to remark enclosed) |
| (10) The measured emission level of the apparatus did not exceed the accessible emission limit according to IEC 62115:2017, Annex E                                    |                                     |

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| <u>Requirement</u>  | <u>Result</u> |
|---|---------------|
| (11) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment no. 552/2009 and 126/2013<br>- Azocolourants content requirement                                 | Pass          |
| (12) U.S. ASTM F963-17<br>- Physical and Mechanical tests   | Pass          |
| (13) U.S. ASTM F963-17 Section 4.25 & 6.5<br>- Battery-operated toys  | Pass          |
| (14) ASTM F963-17<br>- Flammability Test of Materials other than textile materials  | Pass          |
| (15) ASTM F963-17<br>- Total Lead content   | Pass          |
| (16) ASTM F963-17<br>- Soluble heavy elements test  | Pass          |
| (17) U.S. CFR Title 16 (CPSC Regulations) - Part 1303<br>- Total Lead content in surface coating  | Pass          |
| U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101<br>- Total Lead content in surface coating  | Pass          |
| (18) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101<br>- Total Lead content in non-surface coating materials (substrate)                           | Pass          |
| (19) ASTM F963-17<br>- Section 4.3.7 Stuffing Cleanliness Test  | Pass          |
| (20) US CPSC 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates effective from April 25, 2018<br>- Phthalate content | Pass          |

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| <u>Requirement</u>  | <u>Result</u> |
|---|---------------|
| (21) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019) section 21<br>- Celluloid or Cellulose nitrate | Pass          |
| (22) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019)<br>- Mechanical and physical test              | Pass          |
| (23) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 32<br>- Flammability test  | Pass          |
| (24) Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 23 with amendments SOR/2016-195<br>- Toxic elements test                 | Pass          |
| (25) Canada Consumer Product Safety Act Toys Regulations (SOR/2011-17) Item 27(3)(a)&(b) and amendment no. SOR/2016-195<br>- Heavy elements test      | Pass          |
| (26) Canada Consumer Product Safety Act Schedule II<br>- Tris(2-chloroethyl) phosphate (TCEP) content   | Not Detected  |

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# TEST REPORT

Number : HKGH02550065

(1) Physical and Mechanical Tests

Test Standard : European Standard on Safety of Toys EN71-1:2014 + 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   | NA         |
| 4.3    | Flexible plastic sheeting  | NA         |
| 4.4    | Toy bags   | NA         |
| 4.5    | Glass  | NA         |
| 4.6    | Expanding Materials  | NA         |
| 4.7    | Edges  | P          |
| 4.8    | Points and Metallic wires  | P          |
| 4.9    | Protruding parts   | NA         |
| 4.10   | Parts moving against each other  | 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  | NA         |
| 4.21   | Toys containing non -electrical heat source  | NA         |
| 4.22   | Small balls  | NA         |
| 4.23   | Magnets  | NA         |
| 4.24   | Yo-yo balls  | NA         |
| 4.25   | Toys attached to food  | NA         |
| 4.26   | Toy Disguise Costumes  | NA         |
| 4.27   | Flying toys  | NA         |
| 5      | Toys intended for children under 36 months   |            |
| 5.1    | General requirements for toys intended for children under 36 months                  | 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         |
| 5.8    | Shape and size of certain toys   | P          |



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| Clause | Requirement   | Assessment |
|--------|---|------------|
| 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

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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 | Absent                |
| Importer's address          | Present | Absent                |
| Product identification code | Absent  | Present               |
| CE-marking                  | Present | Not in correct format |

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 : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 06, 2020

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# TEST REPORT

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(2) Flammability Test

Test Standard : European Standard on Safety of Toys EN71-2 : 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 : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 06, 2020

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(3) 19 Toxic Element Migration Test

Test Method : EN71-3:2013+A3:2018. Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and/or 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 | 0.2           |
| 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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|                                    | Result (mg/kg) |        |        | Limit (mg/kg) |
|------------------------------------|----------------|--------|--------|---------------|
|                                    | (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 | 0.2           |
| 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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|                                    | Result (mg/kg) |        |        | Limit (mg/kg) |
|------------------------------------|----------------|--------|--------|---------------|
|                                    | (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 | 0.2           |
| 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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|                                    | Result (mg/kg) |        |        | Limit (mg/kg) |
|------------------------------------|----------------|--------|--------|---------------|
|                                    | (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 | 0.2           |
| 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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|                                    | Result (mg/kg) |        |        | Limit (mg/kg) |
|------------------------------------|----------------|--------|--------|---------------|
|                                    | (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 | 0.2           |
| 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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|                                    | Result (mg/kg) |        | Limit (mg/kg) |
|------------------------------------|----------------|--------|---------------|
|                                    | (16)           | (17)   |               |
| Soluble Aluminium (Al)             | <300           | <300   | 70000         |
| Soluble Antimony (Sb)              | <10            | <10    | 560           |
| Soluble Arsenic (As)               | <10            | <10    | 47            |
| Soluble Barium (Ba)                | <10            | <10    | 18750         |
| Soluble Boron (B)                  | <50            | <50    | 15000         |
| Soluble Cadmium (Cd)               | <5             | <5     | 17            |
| Soluble Chromium (III) (Cr III) ++ | <10            | <10    | 460           |
| Soluble Chromium (VI) (Cr VI) ++   | <0.025         | <0.025 | 0.2           |
| Soluble Cobalt (Co)                | <10            | <10    | 130           |
| Soluble Copper (Cu)                | <10            | <10    | 7700          |
| Soluble Lead (Pb)                  | <10            | <10    | 23            |
| Soluble Manganese (Mn)             | <10            | <10    | 15000         |
| Soluble Mercury (Hg)               | <10            | <10    | 94            |
| Soluble Nickel (Ni)                | <10            | <10    | 930           |
| Soluble Selenium (Se)              | <10            | <10    | 460           |
| Soluble Strontium (Sr)             | <100           | <100   | 56000         |
| Soluble Tin (Sn)                   | <4             | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | 46000         |

mg/kg = milligram per kilogram

++ : Unless the test results were marked with "^" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

Organic tin test result was expressed as tributyl tin.

The new chromium (VI) migration limit (0.053 mg/kg) for Category (III) was quoted from directive (EU) Directive 2018/725 amending 2009/48/EC effective from 18 November 2019.

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Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).
- (3) White plastic excluding coatings (shell).
- (4) Pink plastic (button).
- (5) Light blue plastic (button).
- (6) Black plastic (battery case).
- (7) Shiny black plastic (knob).
- (8) Pink hooked velcro (under body).
- (9) Blue hooked velcro (under body).
- (10) White satin with black printing (sewn in label).
- (11) Pink plush (body).
- (12) Pink brushed knit (cover).
- (13) Black embroidery thread (eyes of body).
- (14) White embroidery thread (eyes of body).
- (15) White fabric with blue / green / yellow stitching (logo label).
- (16) Green plush (body).
- (17) Pale green brushed knit (cover).

Date sample received : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 07, 2020

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# TEST REPORT

Number : HKGH02550065

(4) 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/or 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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# TEST REPORT

Number : HKGH02550065

|                                    | 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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# TEST REPORT

Number : HKGH02550065

|                                    | 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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# TEST REPORT

Number : HKGH02550065

|                                    | 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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# TEST REPORT

Number : HKGH02550065

|                                    | 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)                   | <4             | <4     | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | <100   | 46000         |

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# TEST REPORT

Number : HKGH02550065

|                                    | Result (mg/kg) |        | Limit (mg/kg) |
|------------------------------------|----------------|--------|---------------|
|                                    | (16)           | (17)   |               |
| Soluble Aluminium (Al)             | <300           | <300   | 70000         |
| Soluble Antimony (Sb)              | <10            | <10    | 560           |
| Soluble Arsenic (As)               | <10            | <10    | 47            |
| Soluble Barium (Ba)                | <10            | <10    | 18750         |
| Soluble Boron (B)                  | <50            | <50    | 15000         |
| Soluble Cadmium (Cd)               | <5             | <5     | 17            |
| Soluble Chromium (III) (Cr III) ++ | <10            | <10    | 460           |
| Soluble Chromium (VI) (Cr VI) ++   | <0.025         | <0.025 | 0.053         |
| Soluble Cobalt (Co)                | <10            | <10    | 130           |
| Soluble Copper (Cu)                | <10            | <10    | 7700          |
| Soluble Lead (Pb)                  | <10            | <10    | 23            |
| Soluble Manganese (Mn)             | <10            | <10    | 15000         |
| Soluble Mercury (Hg)               | <10            | <10    | 94            |
| Soluble Nickel (Ni)                | <10            | <10    | 930           |
| Soluble Selenium (Se)              | <10            | <10    | 460           |
| Soluble Strontium (Sr)             | <100           | <100   | 56000         |
| Soluble Tin (Sn)                   | <4             | <4     | 180000        |
| Soluble Organic tin ++             | <2.0           | <2.0   | 12            |
| Soluble Zinc (Zn)                  | <100           | <100   | 46000         |

mg/kg = milligram per kilogram

++ : Unless the test results were marked with "^" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

Organic tin test result was expressed as tributyl tin.

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.

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# TEST REPORT

Number : HKGH02550065

### Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).
- (3) White plastic excluding coatings (shell).
- (4) Pink plastic (button).
- (5) Light blue plastic (button).
- (6) Black plastic (battery case).
- (7) Shiny black plastic (knob).
- (8) Pink hooked velcro (under body).
- (9) Blue hooked velcro (under body).
- (10) White satin with black printing (sewn in label).
- (11) Pink plush (body).
- (12) Pink brushed knit (cover).
- (13) Black embroidery thread (eyes of body).
- (14) White embroidery thread (eyes of body).
- (15) White fabric with blue / green / yellow stitching (logo label).
- (16) Green plush (body).
- (17) Pale green brushed knit (cover).

Date sample received : Jan 02, 2020  
 Test Period : Jan 02, 2020 to Jan 07, 2020

### (5) Cadmium (Cd) Content

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

| Tested Component | Result in %, w/w | Limit in %, w/w |
|------------------|------------------|-----------------|
| (1)              | ND               | 0.1             |
| (2)              | ND               | 0.1             |
| (3/4/5)          | ND               | 0.01            |
| (6/7)            | ND               | 0.01            |
| (8/9)            | ND               | 0.01            |
| (10)             | ND               | 0.01            |
| (11/12/13)       | ND               | 0.01            |
| (14/15/16)       | ND               | 0.01            |
| (17/18/19)       | ND               | 0.01            |
| (20/21/22)       | ND               | 0.01            |
| (23/24/25)       | ND               | 0.01            |
| (26/27)          | ND               | 0.01            |

ND : Not detected (< 0.0005%)

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# TEST REPORT

Number : HKGH02550065

Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).
- (3) White plastic excluding coatings (shell).
- (4) Pink plastic (button).
- (5) Light blue plastic (button).
- (6) Black plastic (battery case).
- (7) Shiny black plastic (knob).
- (8) Pink hooked velcro (under body).
- (9) Blue hooked velcro (under body).
- (10) White foam (inside cover) (internal).
- (11) Transparent plastic (washer of screw) (internal).
- (12) Black foam (ring of battery cover) (internal).
- (13) Translucent glue (inside body) (internal).
- (14) Black plastic (switch of slide switch) (internal).
- (15) Brown PCB (PCB of slide switch) (internal).
- (16) Red plastic (wire covering) (internal).
- (17) White plastic (wire covering) (internal).
- (18) Black plastic (wire covering) (internal).
- (19) Green PCB (PCB of knob) (internal).
- (20) Green PCB (PCB of speaker) (internal).
- (21) Black glue (glue of speaker) (internal).
- (22) Black plastic (edge of speaker) (internal).
- (23) Bright black plastic (film of speaker) (internal).
- (24) Transparent plastic (LED) (internal).
- (25) White printed PCB (main PCB) (internal).
- (26) Green printed brown PCB (PCB) (internal).
- (27) Translucent / black plastic (keypad) (internal).

Date sample received : Jan 02, 2020 and Mar 16, 2020

Test Period : Jan 02, 2020 to Mar 18, 2020

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# TEST REPORT

Number : HKGH02550065

(6) Phthalate Content Test

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

Seven Phthalates content:

| Compound                       | Result (% w/w) |         |       | Limit (% w/w) |
|--------------------------------|----------------|---------|-------|---------------|
|                                | (1)            | (2/3/4) | (5/6) |               |
| Dibutyl phthalate (DBP)        | <0.01          | <0.01   | <0.01 | --            |
| Diethyl hexyl phthalate (DEHP) | <0.01          | <0.01   | <0.01 | --            |
| Benzyl butyl phthalate (BBP)   | <0.01          | <0.01   | <0.01 | --            |
| Diisobutyl phthalate (DIBP)    | <0.01          | <0.01   | <0.01 | --            |
| Sum of DBP, DEHP, BBP & DIBP   | <0.01          | <0.01   | <0.01 | 0.1           |
| Diisononyl phthalate (DINP)    | <0.01          | <0.01   | <0.01 | --            |
| Di-n-octyl phthalate (DnOP)    | <0.01          | <0.01   | <0.01 | --            |
| Diisodecyl phthalate (DIDP)    | <0.01          | <0.01   | <0.01 | --            |
| Sum of DINP, DnOP & DIDP       | <0.01          | <0.01   | <0.01 | 0.1           |

| Compound                       | Result (% w/w) | Limit (% w/w) |
|--------------------------------|----------------|---------------|
|                                | (7/8)          |               |
| 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           |
| Diisononyl phthalate (DINP)    | <0.01          | --            |
| Di-n-octyl phthalate (DnOP)    | <0.01          | --            |
| Diisodecyl phthalate (DIDP)    | <0.01          | --            |
| Sum of DINP, DnOP & DIDP       | <0.01          | 0.1           |

Four Phthalates content:

| Compound                       | Result (% w/w) |            |            | Limit (% w/w) |
|--------------------------------|----------------|------------|------------|---------------|
|                                | (9)            | (10/11/12) | (13/14/15) |               |
| Dibutyl phthalate (DBP)        | <0.01          | <0.01      | <0.01      | --            |
| Diethyl hexyl phthalate (DEHP) | <0.01          | <0.01      | <0.01      | --            |
| Benzyl butyl phthalate (BBP)   | <0.01          | <0.01      | <0.01      | --            |
| Diisobutyl phthalate (DIBP)    | <0.01          | <0.01      | <0.01      | --            |
| Sum of DBP, DEHP, BBP & DIBP   | <0.01          | <0.01      | <0.01      | 0.1           |

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# TEST REPORT

Number : HKGH02550065

| Compound                       | Result (% w/w) |       |       | Limit (% w/w) |
|--------------------------------|----------------|-------|-------|---------------|
|                                | (16)           | (17)  | (18)  |               |
| Dibutyl phthalate (DBP)        | <0.01          | <0.01 | <0.01 | --            |
| Diethyl hexyl phthalate (DEHP) | <0.01          | <0.01 | <0.01 | --            |
| Benzyl butyl phthalate (BBP)   | <0.01          | <0.01 | <0.01 | --            |
| Diisobutyl phthalate (DIBP)    | <0.01          | <0.01 | <0.01 | --            |
| Sum of DBP, DEHP, BBP & DIBP   | <0.01          | <0.01 | <0.01 | 0.1           |

| Compound                       | Result (% w/w) |            |         | Limit (% w/w) |
|--------------------------------|----------------|------------|---------|---------------|
|                                | (19/20/21)     | (22/23/24) | (25/26) |               |
| 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           |

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.

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# TEST REPORT

Number : HKGH02550065

Tested Components:

- (1) Coatings on plastic (shell of all style).
- (2) White plastic excluding coatings (shell).
- (3) Pink plastic (button).
- (4) Light blue plastic (button).
- (5) Black plastic (battery case).
- (6) Shiny black plastic (knob).
- (7) Pink hooked velcro (under body).
- (8) Blue hooked velcro (under body).
- (9) White foam (inside cover) (internal).
- (10) Transparent plastic (washer of screw) (internal).
- (11) Black foam (ring of battery cover) (internal).
- (12) Translucent glue (inside body) (internal).
- (13) Black plastic (switch of slide switch) (internal).
- (14) Brown PCB (PCB of slide switch) (internal).
- (15) Red plastic (wire covering) (internal).
- (16) White plastic (wire covering) (internal).
- (17) Black plastic (wire covering) (internal).
- (18) Green PCB (PCB of knob) (internal).
- (19) Green PCB (PCB of speaker) (internal).
- (20) Black glue (glue of speaker) (internal).
- (21) Black plastic (edge of speaker) (internal).
- (22) Bright black plastic (film of speaker) (internal).
- (23) Transaprent plastic (LED) (internal).
- (24) White printed PCB (main PCB) (internal).
- (25) Green printed brown PCB (PCB) (internal).
- (26) Translucent / black plastic (keypad) (internal).

Date sample received : Jan 02, 2020 and Mar 16, 2020

Test Period : Jan 02, 2020 to Mar 18, 2020

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# TEST REPORT

Number : HKGH02550065

(7) RoHS Test

(A) Result :

| Screened Components | XRF Results (mg/kg) |    |    |    |    | Chemical Confirmation Result |
|---------------------|---------------------|----|----|----|----|------------------------------|
|                     | Cd                  | Pb | Hg | Cr | Br |                              |
| (1)                 | ND                  | ND | ND | ND | ND | --                           |
| (2)                 | ND                  | ND | ND | ND | ND | --                           |
| (3)                 | ND                  | ND | ND | ND | ND | --                           |
| (4)                 | ND                  | ND | ND | ND | ND | --                           |
| (5)                 | ND                  | ND | ND | ND | ND | --                           |
| (6)                 | ND                  | ND | ND | ND | ND | --                           |
| (7)                 | ND                  | ND | ND | ND | ND | --                           |
| (8)                 | ND                  | ND | ND | ND | ND | --                           |
| (9)                 | ND                  | ND | ND | ND | ND | --                           |
| (10)                | ND                  | ND | ND | ND | ND | --                           |
| (11)                | ND                  | ND | ND | ND | ND | --                           |
| (12)                | ND                  | ND | ND | ND | ND | --                           |
| (13)                | ND                  | ND | ND | ND | ND | --                           |
| (14)                | ND                  | ND | ND | ND | ND | --                           |
| (15)                | ND                  | ND | ND | ND | ND | --                           |
| (16)                | ND                  | ND | ND | ND | ND | --                           |
| (17)                | ND                  | ND | ND | ND | ND | --                           |
| (18)                | ND                  | ND | ND | ND | NA | --                           |
| (19)                | ND                  | ND | ND | ND | ND | --                           |
| (20)                | ND                  | ND | ND | ND | ND | --                           |
| (21)                | ND                  | ND | ND | ND | NA | --                           |
| (22)                | ND                  | ND | ND | ND | NA | --                           |
| (23)                | ND                  | ND | ND | ND | NA | --                           |
| (24)                | ND                  | ND | ND | ND | NA | --                           |
| (25)                | ND                  | ND | ND | ND | NA | --                           |
| (26)                | ND                  | ND | ND | ND | ND | --                           |
| (27)                | ND                  | ND | ND | ND | NA | --                           |
| (28)                | ND                  | ND | ND | ND | ND | --                           |
| (29)                | ND                  | ND | ND | ND | NA | --                           |
| (30)                | ND                  | ND | ND | ND | NA | --                           |
| (31)                | ND                  | ND | ND | ND | ND | --                           |
| (32)                | ND                  | ND | ND | ND | NA | --                           |
| (33)                | ND                  | ND | ND | ND | ND | --                           |
| (34)                | ND                  | ND | ND | ND | ND | --                           |
| (35)                | ND                  | ND | ND | ND | ND | --                           |



# TEST REPORT

Number : HKGH02550065

| Screened Components | XRF Results (mg/kg) |    |    |    |    | Chemical Confirmation Result |
|---------------------|---------------------|----|----|----|----|------------------------------|
|                     | Cd                  | Pb | Hg | Cr | Br |                              |
| (36)                | ND                  | ND | ND | ND | ND | --                           |
| (37)                | ND                  | ND | ND | ND | NA | --                           |
| (38)                | ND                  | ND | ND | ND | NA | --                           |
| (39)                | ND                  | ND | ND | ND | NA | --                           |
| (40)                | ND                  | ND | ND | ND | ND | --                           |
| (41)                | ND                  | ND | ND | ND | NA | --                           |
| (42)                | ND                  | ND | ND | ND | ND | --                           |
| (43)                | ND                  | ND | ND | ND | ND | --                           |
| (44)                | ND                  | ND | ND | ND | ND | --                           |
| (45)                | ND                  | ND | ND | ND | NA | --                           |
| (46)                | ND                  | ND | ND | ND | NA | --                           |
| (47)                | ND                  | ND | ND | ND | ND | --                           |
| (48)                | ND                  | ND | ND | ND | NA | --                           |
| (49)                | ND                  | ND | ND | ND | ND | --                           |
| (50)                | ND                  | ND | ND | ND | ND | --                           |
| (51)                | ND                  | D  | 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 | NA | --                           |
| (58)                | ND                  | ND | ND | ND | #  | PBBs:ND<br>PBDEs:ND          |
| (59)                | ND                  | ND | ND | ND | NA | --                           |
| (60)                | ND                  | ND | ND | ND | NA | --                           |
| (61)                | ND                  | ND | ND | ND | NA | --                           |
| (62)                | ND                  | ND | ND | ND | NA | --                           |

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# TEST REPORT

Number : HKGH02550065

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

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

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

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# TEST REPORT

Number : HKGH02550065

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

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

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

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

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

**Disclaimers:**

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

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

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# TEST REPORT

Number : HKGH02550065

(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, by acid digestion and determined by ICP-OES                    | 10 mg/kg               |
| Chromium (VI) (Cr <sup>6+</sup> ) Content (For Non-Metal)                | With reference to IEC 62321 edition 1.0 : 2008, by alkaline digestion and determined by UV-VIS spectrophotometer | 1 mg/kg                |
| Chromium (VI) (Cr <sup>6+</sup> ) 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 <sup>6+</sup> ) Content (For Metal)                    | With reference to IEC 62321-7-1 : 2015, by boiling water extraction and determined by UV-VIS spectrophotometer   | 0.1 µg/cm <sup>2</sup> |
| Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs) | With reference to IEC 62321-6 : 2015, by solvent extraction and determined by GC/MS.                             | 20 mg/kg               |

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

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

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# TEST REPORT

Number : HKGH02550065

(E) RoHS requirements

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

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

Tested Components:

- (1) White plastic with (pink, pale pink, green, pale green) coatings (shell).
- (2) Pink plastic (button).
- (3) Light blue plastic (button).
- (4) Black plastic (battery case, button).
- (5) Pink hooked velcro (under body).
- (6) Blue hooked velcro (under body).
- (7) White satin with black printing (sewn in label).
- (8) White fabric blue / green / yellow stitching (logo label).
- (9) Pink plush (body).
- (10) Pink brushed knit (cover).
- (11) Black/ white embroidery thread with fabric backing (eyes of body).
- (12) Green plush (body).
- (13) Pale blue brushed knit (cover).
- (14) White foam (inside cover).
- (15) White mesh (inside cover).
- (16) Off white stuffing material (inside body).
- (17) White webbing (inside body).
- (18) Silver color metal (screw).
- (19) Transparent plastic (washer of screw).
- (20) Black foam (ring of battery cover).
- (21) Silver color metal (nut).
- (22) Silver color metal (battery spring).
- (23) Silver color metal (battery contact plate).
- (24) Solder (on contact plate).
- (25) Silver color metal (washer screw).
- (26) Translucent glue (inside body).
- (27) Black plated metal (frame of slide switch).
- (28) Black plastic (switch of slide switch).
- (29) Dull silver color metal (spring of slide switch).

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# TEST REPORT

Number : HKGH02550065

Tested Components:

- (30) Silver color metal (contact plate of slide switch).
- (31) Light brown fibre board (PCB of slide switch).
- (32) Silver color metal (lead of slide switch).
- (33) Red plastic (wire insulator).
- (34) Orange plastic (wire insulator).
- (35) Black plastic (wire insulator).
- (36) White plastic (wire insulator).
- (37) Copper color metal (wire).
- (38) Blue plated metal with black printing (case of speaker).
- (39) Blue plated metal (frame of speaker).
- (40) Black glue (on speaker).
- (41) Solder (on speaker).
- (42) Green fibre board (PCB of speaker).
- (43) Dim black plastic (edge of speaker).
- (44) Black plastic (diaphragm of speaker).
- (45) Copper color metal (coil of speaker).
- (46) Blue plated metal (magnet cover of speaker).
- (47) Translucent/ black plastic (key pad).
- (48) Solder (on PCB).
- (49) Brown/ green fibre board (small PCB).
- (50) Transparent plastic (LED).
- (51) White body with black printing with silver color metal (SMD resistor).
- (52) Brown body with silver color metal (SMD capacitor).
- (53) Grey body with silver color metal (SMD capacitor).
- (54) Black body with silver color metal (SMD IC).
- (55) White fibre board (main PCB).
- (56) Black plastic (gear of variable resistor).
- (57) Silver color metal (contact plate of variable resistor).
- (58) Ivory/green fibre board (PCB of variable resistor).
- (59) Dull silver color metal (PCB holder of variable resistor).
- (60) Silver color metal (lead of variable resistor).
- (61) Blue plated metal (magnet of speaker).
- (62) Silver color metal (lead of LED).

Date sample received : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 07, 2020

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# TEST REPORT

Number : HKGH02550065

(8) 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) |               |
| Diisobutyl phthalate (DIBP) | <0.01          | <0.01   | <0.01 | 0.1           |

| Compound                    | Result (% w/w) |       |            | Limit (% w/w) |
|-----------------------------|----------------|-------|------------|---------------|
|                             | (7/8)          | (9)   | (10/11/12) |               |
| Diisobutyl phthalate (DIBP) | <0.01          | <0.01 | <0.01      | 0.1           |

| Compound                    | Result (% w/w) |       |       | Limit (% w/w) |
|-----------------------------|----------------|-------|-------|---------------|
|                             | (13/14/15)     | (16)  | (17)  |               |
| Diisobutyl phthalate (DIBP) | <0.01          | <0.01 | <0.01 | 0.1           |

| Compound                    | Result (% w/w) |            |            | Limit (% w/w) |
|-----------------------------|----------------|------------|------------|---------------|
|                             | (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)        |               |
| 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 (known as RoHS Directive).

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

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# TEST REPORT

Number : HKGH02550065

Tested Components:

- (1) Coatings on plastic (shell of all style).
- (2) White plastic excluding coatings (shell).
- (3) Pink plastic (button).
- (4) Light blue plastic (button).
- (5) Black plastic (battery case).
- (6) Shiny black plastic (knob).
- (7) Pink hooked velcro (under body).
- (8) Blue hooked velcro (under body).
- (9) White foam (inside cover) (internal).
- (10) Transparent plastic (washer of screw) (internal).
- (11) Black foam (ring of battery cover) (internal).
- (12) Translucent glue (inside body) (internal).
- (13) Black plastic (switch of slide switch) (internal).
- (14) Brown PCB (PCB of slide switch) (internal).
- (15) Red plastic (wire covering) (internal).
- (16) White plastic (wire covering) (internal).
- (17) Black plastic (wire covering) (internal).
- (18) Green PCB (PCB of knob) (internal).
- (19) Green PCB (PCB of speaker) (internal).
- (20) Black glue (glue of speaker) (internal).
- (21) Black plastic (edge of speaker) (internal).
- (22) Bright black plastic (film of speaker) (internal).
- (23) Transaprent plastic (LED) (internal).
- (24) White printed PCB (main PCB) (internal).
- (25) Green printed brown PCB (PCB) (internal).
- (26) Translucent / black plastic (keypad) (internal).

Date sample received : Jan 02, 2020 and Mar 16, 2020

Test Period : Jan 02, 2020 to Mar 18, 2020

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# TEST REPORT

Number : HKGH02550065

(9) 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: 4.5V, LR6 size x 3pcs

Included battery: No

Operated function: Battery powered sound and light

| 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                       | NA         |



# TEST REPORT

Number : HKGH02550065

| Clause | Requirement      | Assessment |
|--------|------------------|------------|
|        | phenomena (EMP). |            |

Abbreviation : P = Pass NA = Not 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 = 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 : Jan 02, 2020  
 Test Period : Jan 02, 2020 to Jan 06, 2020

(10) Optical Radiation

Test Standard : International Standard IEC 62115:2017 Safety of electric toys, Annex E

| Clause | Title/Description             | Result         |
|--------|-------------------------------|----------------|
| 19.E.2 | Light-emitting diodes (LEDs)  | Pass           |
| 19.E.3 | Lasers                        | Not Applicable |
| 19.E.4 | UV-emitting lamps             | Not Applicable |
| 19.E.5 | Modulated accessible emission | See Remark     |

Table of measuring data

| For Red LED (water clear) |                     |                             |                    |                            |          |
|---------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition                 | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit    |
| Normal                    | 629nm               | 13.2nm                      | 200mm              | 0.11mW/sr                  | 0.76W/sr |
| Fault                     | 629nm               | 13.2nm                      | 200mm              | 9.19mW/sr                  | 0.76W/sr |

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# TEST REPORT

Number : HKGH02550065

| For Yellow LED<br>(water clear) |                     |                             |                    |                            |          |
|---------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition                       | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit    |
| Normal                          | 592nm               | 14.4nm                      | 200mm              | 1.32mW/sr                  | 0.76W/sr |
| Fault                           | 592nm               | 14.4nm                      | 200mm              | 2.54mW/sr                  | 0.76W/sr |

| For Green LED<br>(water clear) |                     |                             |                    |                            |          |
|--------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition                      | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit    |
| Normal                         | 513nm               | 26.4nm                      | 200mm              | 0.60mW/sr                  | 0.43W/sr |
| Fault                          | 513nm               | 26.4nm                      | 200mm              | 2.72mW/sr                  | 0.43W/sr |

| For Blue LED<br>(water clear) |                     |                             |                    |                            |          |
|-------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition                     | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit    |
| Normal                        | 460nm               | 17.6nm                      | 200mm              | 2.09mW/sr                  | 0.05W/sr |
| Fault                         | 460nm               | 17.6nm                      | 200mm              | 5.05mW/sr                  | 0.05W/sr |

Remark:

1. When determining the test conclusion, the Measurement Uncertainty of test has been considered.
2. The marking requirement per clause 19.E.5 was not evaluated in this test report
3. The test was conducted by operating the apparatus at rated voltage 4.5VDC and the measurement was made on the LED itself.
4. 1 pc. 4.8mm round type water clear Red LED is used in the apparatus.
5. 1 pc. 4.8mm round type water clear Yellow LED is used in the apparatus.
6. 3 pcs. 4.8mm round type water clear Green LEDs used in the apparatus are identical to each other.
7. 3 pcs. 4.8mm round type water clear Blue LEDs used in the apparatus are identical to each other.

Date sample received : Jan 02, 2020  
 Testing period : Jan 02, 2020 to Jan 09, 2020

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# TEST REPORT

Number : HKGH02550065

(11) 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 14362-1 : 2012 for Textile Material  
 EN ISO 17234-1: 2010 for Leather Material  
 EN 14362-3 : 2012 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

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

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# TEST REPORT

Number : HKGH02550065

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

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# TEST REPORT

Number : HKGH02550065

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

- High Performance Liquid Chromatographic (HPLC) analysis was used to confirm any detected amines greater than compliance requirement.

- The test component with p-aminoazobenzene less than detection limit was tested by EN14362-1: 2012 for textile material / ISO 17234-1:2010 for leather material.

ppm = parts per million = mg/kg

Tested Components:

- (1) White satin with black printing (sewn in label).
- (2) Pink plush with black / white embroidery thread (body).
- (3) Pink brushed knit (cover).
- (4) White fabric with blue / green / yellow stitching (logo label).
- (5) Green plush (body).
- (6) Pale green brushed knit (cover).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 08, 2020

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# TEST REPORT

Number : HKGH02550065

(12) 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         |

| <u>Clause</u> | <u>Requirement</u>   | <u>Assessment</u> |
|---------------|--|-------------------|
| 4.1           | Material quality   | P                 |
| 4.5           | Sound producing toys   | NA                |
| 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                                    | NA                |
| 4.15          | Stability and overload requirement                             | NA                |
| 4.16          | Confined spaces  | NA                |
| 4.17          | Wheels, tires, and axles (96 months of age or less)            | NA                |
| 4.18          | Holes, clearance, and accessibility of mechanisms              | NA                |
| 4.19          | Simulated protective devices                                   | NA                |
| 4.20          | Pacifiers  | NA                |
| 4.21          | Projectile toys  | NA                |
| 4.22          | Teethers and teething toys                                     | NA                |
| 4.23          | Rattles  | NA                |
| 4.24          | Squeeze toys   | NA                |
| 4.25          | Battery operated toys  | P#1               |
| 4.26          | Toys intended to be attached to a crib or playpen              | NA                |
| 4.27          | Stuffed and beanbag type toys                                  | P                 |



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| Clause | Requirement                                   | Assessment |
|--------|---|------------|
| 4.28   | Stroller and carriage toys                    | NA         |
| 4.29   | Art materials                                 | NA         |
| 4.30   | Toy gun marking                               | NA         |
| 4.31   | Balloons                                      | NA         |
| 4.32   | Certain toys with nearly spherical ends       | NA         |
| 4.33   | Marbles                                       | NA         |
| 4.34   | Balls   | NA         |
| 4.35   | Pompoms                                       | NA         |
| 4.36   | Hemispherical shaped objects                  | NA         |
| 4.37   | Yo Yo elastic tether toys                     | NA         |
| 4.38   | Magnets                                       | NA         |
| 4.39   | Jaw Entrapment in Handles and Steering Wheels | NA         |
| 4.40   | Expanding materials                           | NA         |
| 4.41   | Toy chests                                    | NA         |
| 5      | Labeling requirements                         | P          |
| 6      | Instructional literature                      | P          |
| 7      | Producer's marking                            |            |
|        | - Name of producer / distributor              | Yes        |
|        | - Address                                     | Yes        |

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.

Remark(s):

#1 = The toy was being operated for 24 hours continuously with the reversed installation of the batteries (Alkaline battery - AA ). No leakage nor overheat was observed after testing

Date sample received : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 06, 2020

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# TEST REPORT

Number : HKGH02550065

(13) 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#1        |
| 4.25.4  | Accessible batteries  | P          |
| 4.25.5  | Accessible batteries that can fit completely within small part cylinder             | NA         |
| 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

Remark(s):

#1 = The toy was being operated for 24 hours continuously with the reversed installation of the batteries (Alkaline battery - AA ). No leakage nor overheat was observed after testing

Date sample received : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 06, 2020

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# TEST REPORT

Number : HKGH02550065

(14) Flammability Tests

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

| <u>Sample</u> | <u>Ignition point</u> | <u>Burn length</u><br>(inch) | <u>Time (sec)</u> | <u>Burn Rate</u><br>(inch/sec) | <u>Limit (inch/sec)</u> |
|---------------|-----------------------|------------------------------|-------------------|--------------------------------|-------------------------|
| Turtle        | Edge                  | 1.5                          | 60                | 0.03                           | 0.10                    |

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

Date sample received : Jan 02, 2020  
 Test Period : Jan 02, 2020 to Jan 06, 2020

(15) Total Lead (Pb) Content

Test Method : Sections 4.3.5.1(1) and 4.3.5.2(2)(a) of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17, 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)              | <20           | 90           |
| (2)              | <20           | 90           |

Substrate:

| Tested Component | Result in ppm | Limit in ppm |
|------------------|---------------|--------------|
| (3/4/5)          | <20           | 100          |
| (6/7)            | <20           | 100          |
| (8/9)            | <20           | 100          |
| (10)             | <20           | 100          |
| (11)             | <20           | 100          |

ppm = parts per million = mg/kg

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# TEST REPORT

Number : HKGH02550065

Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).
- (3) White plastic excluding coatings (shell).
- (4) Pink plastic (button).
- (5) Light blue plastic (button).
- (6) Black plastic (battery case).
- (7) Shiny black plastic (knob).
- (8) Pink hooked velcro (under body).
- (9) Blue hooked velcro (under body).
- (10) White satin with black printing (sewn in label).
- (11) White foam (inside cover) (internal).

Date sample received : Jan 02, 2020  
 Test Period : Jan 02, 2020 to Jan 07, 2020

(16) Heavy Elements Analysis

Test Method : Sections 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, acid extraction and analysed by Inductively Coupled Argon Plasma Spectrometry.

Materials other than modelling clay:

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

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# TEST REPORT

Number : HKGH02550065

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

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

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

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# TEST REPORT

Number : HKGH02550065

|                       | 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          |

|                       | Result (ppm) | Limit (ppm) |
|-----------------------|--------------|-------------|
|                       | (19)         |             |
| 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          |

ppm = parts per million = mg/kg

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# TEST REPORT

Number : HKGH02550065

Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).
- (3) White plastic excluding coatings (shell).
- (4) Pink plastic (button).
- (5) Light blue plastic (button).
- (6) Black plastic (battery case).
- (7) Shiny black plastic (knob).
- (8) Pink hooked velcro (under body).
- (9) Blue hooked velcro (under body).
- (10) White satin with black printing (sewn in label).
- (11) Pink plush (body).
- (12) Pink brushed knit (cover).
- (13) Black embroidery thread (eyes of body).
- (14) White embroidery thread (eyes of body).
- (15) White fabric with blue / green / yellow stitching (logo label).
- (16) Green plush (body).
- (17) Pale green brushed knit (cover).
- (18) White foam (inside cover) (internal).
- (19) Off white stuffing material (inside body) (internal).

Date sample received : Jan 02, 2020

Test Period : Jan 02, 2020 to Jan 07, 2020

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# TEST REPORT

Number : HKGH02550065

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

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

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

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 07, 2020

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# TEST REPORT

Number : HKGH02550065

(18) 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)            | <20           | 100          |
| (6/7)            | <20           | 100          |
| (8)              | <20           | 100          |
| (9)              | <20           | 100          |

ppm = parts per million = mg/kg

Tested Components:

- (1) White plastic excluding coatings (shell).
- (2) Pink plastic (button).
- (3) Light blue plastic (button).
- (4) Black plastic (battery case).
- (5) Shiny black plastic (knob).
- (6) Pink hooked velcro (under body).
- (7) Blue hooked velcro (under body).
- (8) White satin with black printing (sewn in label).
- (9) White foam (inside cover) (internal).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 07, 2020

(19) 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 : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 06, 2020

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# TEST REPORT

Number : HKGH02550065

(20) 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) |               |
| 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)           | <0.01          | <0.01   | <0.01 | 0.1           |
| Diisobutyl phthalate (DIBP)           | <0.01          | <0.01   | <0.01 | 0.1           |
| Di-n-pentyl phthalate (DPP) / (DPENP) | <0.01          | <0.01   | <0.01 | 0.1           |
| Di-n-hexyl phthalate (DNHP) / (DHEXP) | <0.01          | <0.01   | <0.01 | 0.1           |
| Dicyclohexyl phthalate (DCHP)         | <0.01          | <0.01   | <0.01 | 0.1           |

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

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# TEST REPORT

Number : HKGH02550065

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 plastic (shell of all style).
- (2) White plastic excluding coatings (shell).
- (3) Pink plastic (button).
- (4) Light blue plastic (button).
- (5) Black plastic (battery case).
- (6) Shiny black plastic (knob).
- (7) Pink hooked velcro (under body).
- (8) Blue hooked velcro (under body).
- (9) White foam (inside cover) (internal).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 09, 2020

(21) Celluloid or Cellulose Nitrate

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

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

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 06, 2020

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# TEST REPORT

Number : HKGH02550065

(22) Physical and Mechanical Tests

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

Age group for testing : For All Ages

|  |                         |
|--|-------------------------|
| The submitted samples were undergone the use and abuse tests in accordance with the Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 11 January 2019): |                         |
| <u>Test</u>  | <u>Parameter</u>        |
| Drop test  | 4 x (1.367 +/- 0.005) m |
| Pull test  | 42.5 +/- 2 N            |
| Push test  | 42.5 +/- 2 N            |

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



# TEST REPORT

Number : HKGH02550065

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

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 06, 2020

(23) Flammability Test

Test Standard : Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 32

All samples were tested and passed the requirements.

Tested Components:

- (1) 3mm plush.
- (2) Brushed knit.
- (3) Short pile plush.

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 03, 2020

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# TEST REPORT

Number : HKGH02550065

(24) Toxic Elements Analysis

Test Method : Acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

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

Sol. : Soluble

ND : Not detected (<0.0000078 (% , w/w))

Tested Components:

- (1) Coatings (green, pale green) on plastic (shell of green style).
- (2) Coatings (pink, pale pink) on plastic (shell of pink style).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 07, 2020

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# TEST REPORT

Number : HKGH02550065

(25) Heavy Elements Analysis in plastic

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

Soluble Elements Content:

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

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

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# TEST REPORT

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ppm = parts per million = mg/kg

Tested Components:

- (1) White plastic excluding coatings (shell).
- (2) Pink plastic (button).
- (3) Light blue plastic (button).
- (4) Black plastic (battery case).
- (5) Shiny black plastic (knob).
- (6) Pink hooked velcro (under body).
- (7) Blue hooked velcro (under body).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 07, 2020

(26) Tris(2-chloroethyl) phosphate (TCEP) Content

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

| Tested Component | Result in ppm |
|------------------|---------------|
| (1)              | ND            |

Requirement:  
Tris(2-chloroethyl) phosphate (TCEP) is prohibited as a constituent in products containing polyurethane (PU) foam for used by a child 3 years of age or younger under Canada published Regulations Amending Schedule II of the Canada Consumer Product Safety Act.

ND = Not Detected  
Detection Limit = 1 ppm

ppm = parts per million = mg/kg

Tested Component:

- (1) White foam (inside cover) (internal).

Date sample received : Jan 02, 2020  
Test Period : Jan 02, 2020 to Jan 08, 2020

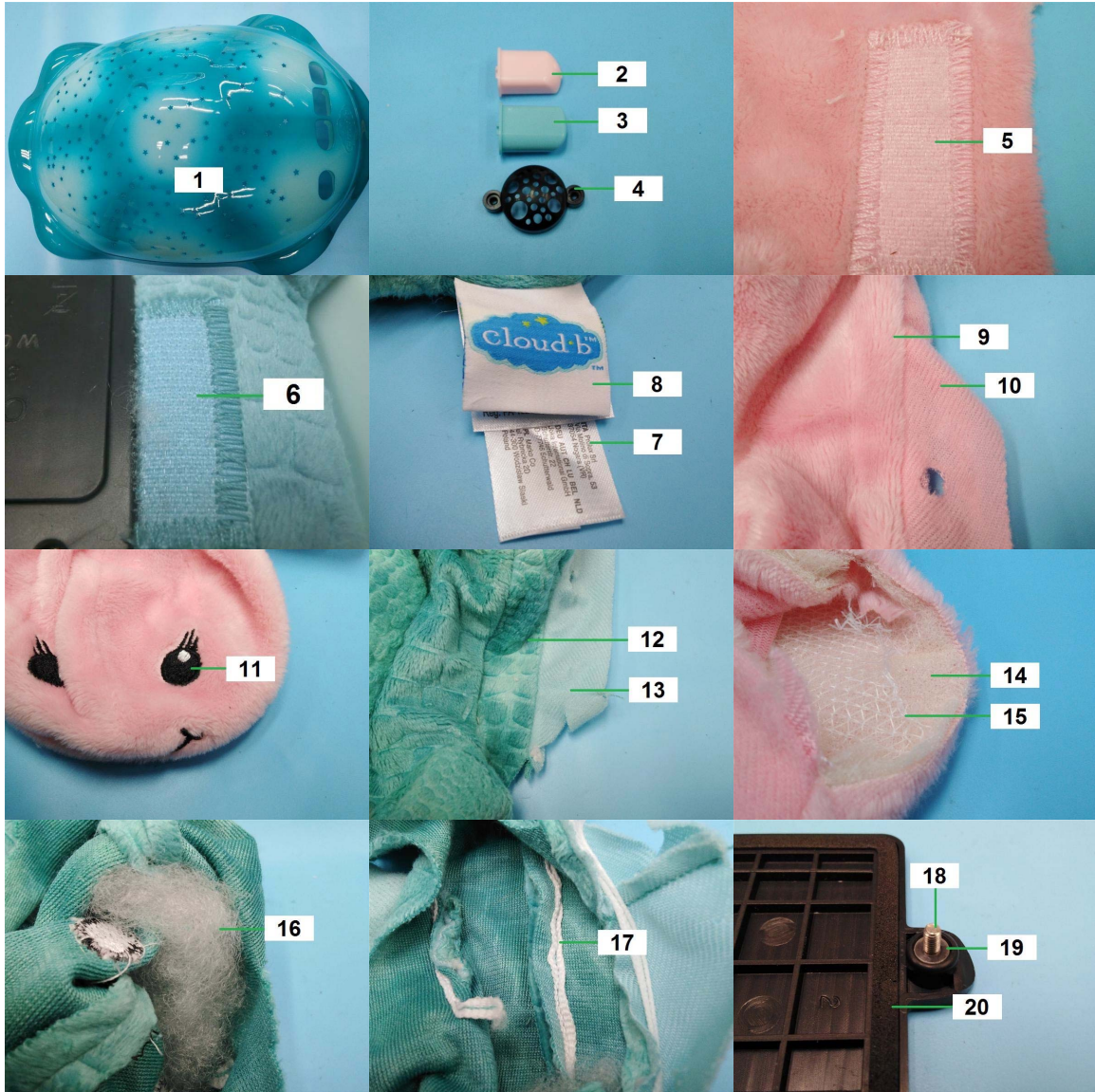
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# TEST REPORT

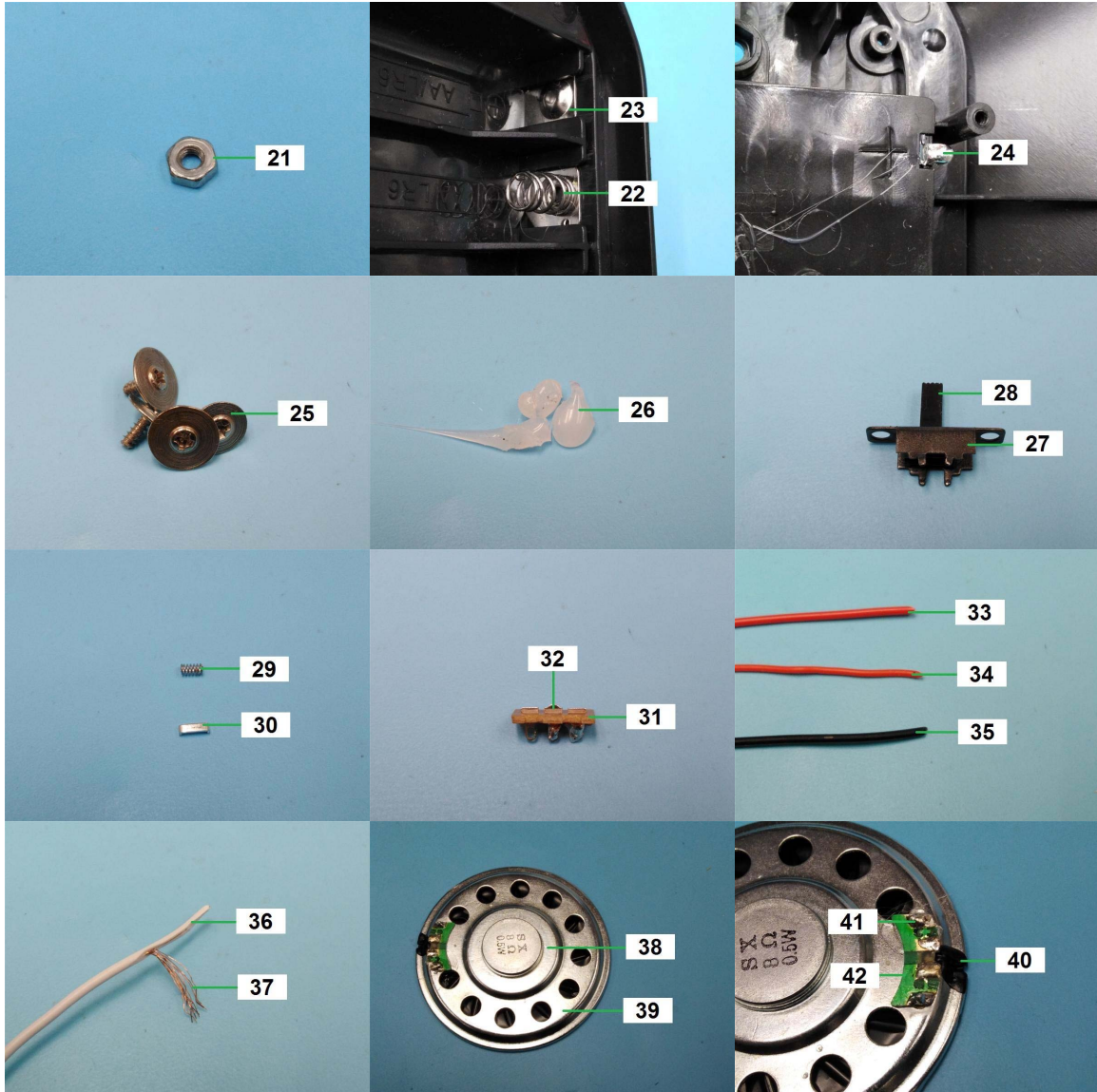
Number : HKGH02550065

## TESTED COMPONENTS PHOTOS OF HJ02550065



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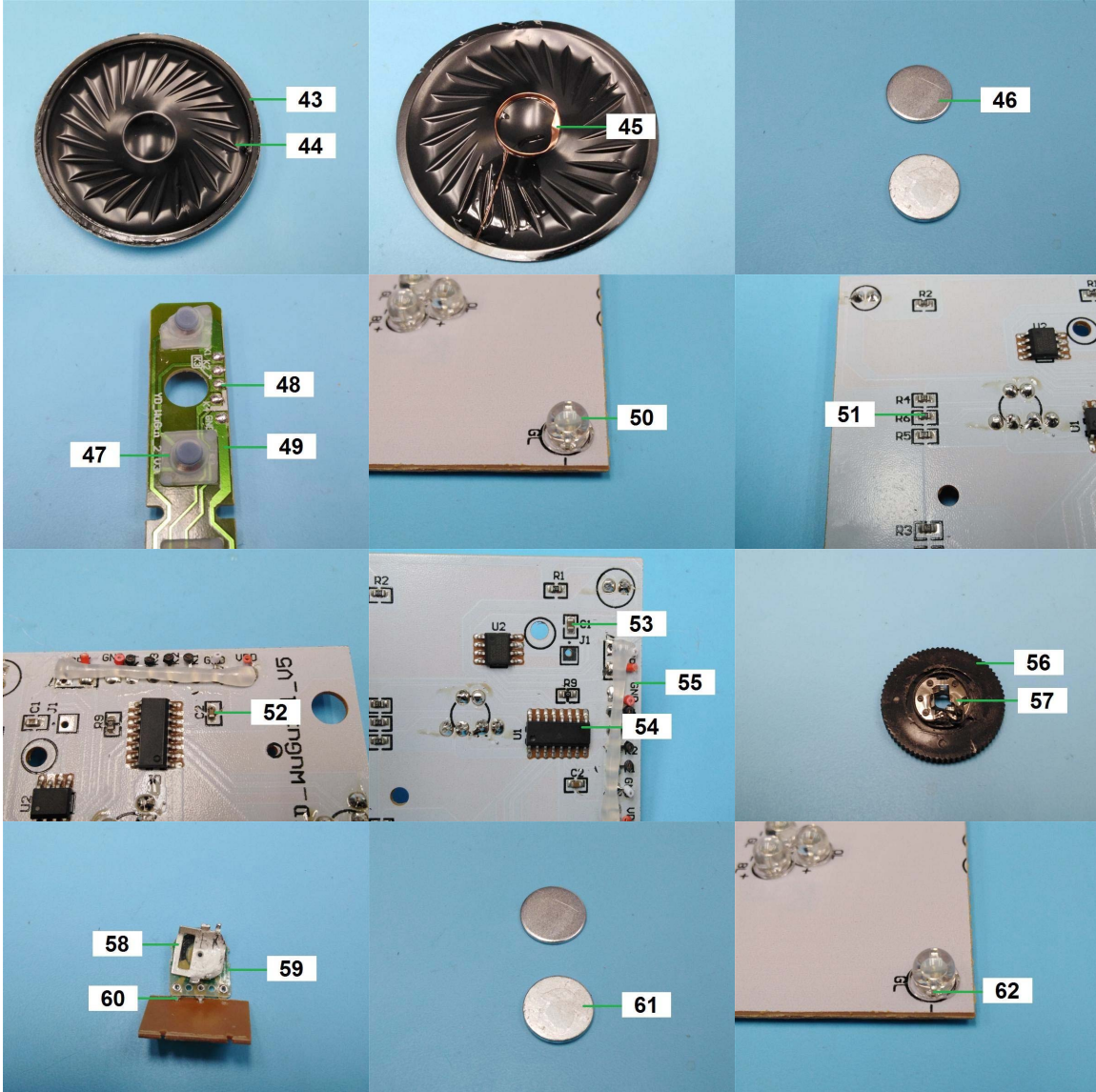


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## TEST REPORT

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End of report

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