

TEST REPORT

Applicant: SARL BTL DIFFUSION
16, RUE ANATOLE MOUSSU
ZA MERE NORD EST
78490 MERE FRANCE

Number: HKGH02862174

Date: Jun 24, 2022

Attn: RAFI

Sample and Information provided by customer :

Item Name : **Twinkling Twilight Turtle - Pink**
Twinkling Twilight Turtle - Aqua

Item No. : **7323-T2P, 7323-T2**

Quantity : 3 sets

Labelled Age Group : 0 month+

Packaging Provided : Yes

Country of Origin : China

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) BS EN 71-1:2014 + A1:2018 - Mechanical and physical properties | Pass |
| (2) EN 71-1:2014 + A1:2018 - Mechanical and physical properties | Pass |
| (3) BS EN 71-2:2020 - Flammability Test | Pass |
| (4) EN 71-2:2020 - Flammability Test | Pass |
| (5) EN 71-3 : 2019 + A1 : 2021 - Migration of certain elements | Pass |
| (6) BS EN71-3:2019 and Directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021 - Migration of certain elements | Pass |
| (7) EU Commission Directive 2017/898 amending Appendix C of Annex II to Directive 2009/48/EC on the safety of toys - Bisphenol A migration content | Pass |
| (8) EN 62115 : 2005 + A12 : 2015 Safety of electric toys | Pass (Subjected to remark enclosed) |
| (9) EN IEC 62115 : 2020 + A11 : 2020 Safety of electric toys | Pass (Subjected to remark enclosed) |
| (10) ASTM F963-17 - Soluble heavy elements test ∞ | Pass |
| (11) Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 - Tracking labels for children products | Pass |
| (12) Canada Consumer Product Safety Act Toys Regulations (SOR/2011-17) Item 27(3)(a)&(b) and amendment no. SOR/2016-195 - Heavy elements test | Not Applicable |



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| <u>Requirement</u> | <u>Result</u> |
|--|---------------|
| (13) The measured emission level of the apparatus did not exceed the accessible emission limit according to IEC 62115: 2017, Annex E | |
| (14) The measured emission level of the apparatus did not exceed the accessible emission limit according to EN IEC 62115: 2020 + A11: 2020, Annex E | |
| (15) AS/NZS ISO 8124-3:2003 (Australian Trade Practice Act 1974 with Consumer Protection Notice no. 1, 2009 - Consumer Product Safety Standard for Lead and certain elements in children's toys.) - Toxic elements test ∞ | Pass |
| Australian Customs Notice no. 2007/46 - amendments to the Customs (Prohibited Imports) Regulations 1956 Schedule 2 Item 2 - Toxic elements test ∞ | Pass |
| AS/NZS 8124-3:2012/Amdt 1:2016 - Toxic elements test ∞ | Pass |
| (16) AS/NZS ISO 8124-3:2003 (Australian Trade Practice Act 1974 with Consumer Protection Notice no. 1, 2009 - Consumer Product Safety Standard for Lead and certain elements in children's toys.) - Toxic elements test ∞ | Pass |
| Australian Customs Notice no. 2007/46 - amendments to the Customs (Prohibited Imports) Regulations 1956 Schedule 2 Item 2 - Toxic elements test ∞ | Pass |
| AS/NZS ISO 8124-3:2021 - Toxic elements test ∞ | Pass |

Decision Rule(s):

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



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(1) Physical and Mechanical Tests

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

Age group for testing : For All Ages

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

| Clause | Requirement | Assessment |
|--------|--|------------|
| 4 | General requirements | |
| 4.1 | Material cleanliness | P |
| 4.2 | Assembly | 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 | P |
| 4.21 | Toys containing non -electrical heat source | NA |
| 4.22 | Small balls | NA |
| 4.23 | Magnets | NA |
| 4.24 | Yo-yo balls | NA |
| 4.25 | Toys attached to food | NA |
| 4.26 | Toy Disguise Costumes | NA |
| 4.27 | Flying toys | NA |
| 5 | Toys intended for children under 36 months | |
| 5.1 | General requirements for toys intended for children under 36 months | P |
| 5.2 | Soft-filled toys and soft-filled parts of a toy | P |
| 5.3 | Plastic sheeting | NA |
| 5.4 | Cords, chains and electrical cables in toys | NA |
| 5.5 | Liquid filled toys | NA |
| 5.6 | Speed limitation of electrically driven ride-on toys | NA |
| 5.7 | Glass and porcelain | NA |
| 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 is additional information checking according to the UK Toy (Safety) Regulations requirement. These information also appears as a note within BS EN71 but the checking is not within accreditation scope.

Marking

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

After checking, it was found that

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

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

After checking, it was found that

| | Toy | Packaging |
|--------------|---------|-----------|
| UKCA marking | Present | Present |

Cleaning instruction

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

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

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 25, 2022



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(2) Mechanical and Physical Test

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

Age group for testing : For All Ages

| | |
|---|----------------------------|
| The submitted samples were undergone the following abuse tests: | |
| <u>Clause</u> | <u>Testing Items</u> |
| 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 | P |
| 4.21 | Toys containing non -electrical heat source | NA |



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



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

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 25, 2022



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(3) Flammability Test

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

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

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 25, 2022

(4) Flammability Test

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

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

Abbreviation : P = Pass NA = Not Applicable

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 25, 2022



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(5) 19 Toxic Element Migration Test

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

Category (III): Scraped-off toy material:

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



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



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



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



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

mg/kg = milligram per kilogram

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

Organic tin test result was expressed as tributyl tin.

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



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Tested Components:

- (1) Pink coating on plastic (shell of pink turtle).
- (2) Blue coating on plastic (shell of blue turtle).
- (3) Ivory plastic (shell of all styles).
- (4) Light pink plastic (button of pink turtle).
- (5) Light blue plastic (button of blue turtle).
- (6) Black plastic (volume knob, battery compartment of all styles).
- (7) 3mm pink plush (body of pink turtle).
- (8) Pink brushed knit (battery door cover of pink turtle).
- (9) Blue brushed knit (battery door cover of blue turtle).
- (10) White/ black embroidery thread (eyes, mouth of all styles).
- (11) White woven with light blue/ blue/ yellow thread stitching (logo label).
- (12) 3mm blue plush with deep blue printing (body of blue turtle).
- (13) White satin with black printing (sewn in label).

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 21, 2022



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(6) 19 Toxic Element Migration Test

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

Category (III): Scraped-off toy material:

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



TEST REPORT

Number : HKGH02862174

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



TEST REPORT

Number : HKGH02862174

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



TEST REPORT

Number : HKGH02862174

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



TEST REPORT

Number : HKGH02862174

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

mg/kg = milligram per kilogram

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

Organic tin test result was expressed as tributyl tin.

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

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



TEST REPORT

Number : HKGH02862174

Tested Components:

- (1) Pink coating on plastic (shell of pink turtle).
- (2) Blue coating on plastic (shell of blue turtle).
- (3) Ivory plastic (shell of all styles).
- (4) Light pink plastic (button of pink turtle).
- (5) Light blue plastic (button of blue turtle).
- (6) Black plastic (volume knob, battery compartment of all styles).
- (7) 3mm pink plush (body of pink turtle).
- (8) Pink brushed knit (battery door cover of pink turtle).
- (9) Blue brushed knit (battery door cover of blue turtle).
- (10) White/ black embroidery thread (eyes, mouth of all styles).
- (11) White woven with light blue/ blue/ yellow thread stitching (logo label).
- (12) 3mm blue plush with deep blue printing (body of blue turtle).
- (13) White satin with black printing (sewn in label).

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 21, 2022



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TEST REPORT

Number : HKGH02862174

(7) Bisphenol A (BPA) Migration Content

Test Standard : EN71 Part 10 and 11 : 2005.

| Tested Component | Result in mg/l | Limit in mg/l |
|------------------|----------------|---------------|
| (1) | <0.01 | 0.04 |
| (2) | <0.01 | 0.04 |

The above limit was quoted according to EU Commission Directive 2017/898 amending Appendix C of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the safety of toys, as regards Bisphenol A with effective date on 26 Novemeber 2018.

mg/l = milligram per litre

Tested Components:

- (1) Ivory plastic (shell of all styles).
- (2) Black plastic (volume knob, battery compartment of all styles).

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Apr 22, 2022



TEST REPORT

Number : HKGH02862174

(8) Safety of Electric Toys

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

Age group for testing : For All Ages

Power source: 4.5V, LR6 size x 3 pcs

Included battery: No

Operated function: 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 | -- |



TEST REPORT

Number : HKGH02862174

| Clause | Requirement | Assessment |
|----------|---|------------|
| Annex ZB | Toys with protective electronic circuit influence from electromagnetic phenomena (EMP). | NA |

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 : Apr 13, 2022
Test Period : Apr 13, 2022 to Apr 22, 2022



TEST REPORT

Number : HKGH02862174

(9) Safety of Electric Toys

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

Age group for testing : For All Ages

Power source: 4.5V, LR6 size x 3 pcs

Included battery: No

Operated function: sound and light

| Clause | Requirement | Assessment |
|--------|---|------------|
| 1 | Scope | -- |
| 2 | Normative reference | -- |
| 3 | Term and definitions | -- |
| 4 | General requirement | -- |
| 5 | General conditions for test | P |
| 5.1 | General Ambient temperature: 20°C ± 5°C | -- |
| 5.2 | Preconditioning | A |
| 5.3 | Assembly | NA |
| 5.4 | Movable parts | A |
| 5.5 | Detachable parts | NA |
| 5.6 | Settings | A |
| 5.7 | Selection of power supplies | A |
| | Carried out with one or more batteries reversed | P |
| 5.8 | Accessories and parts | NA |
| 6 | Criteria for reduced testing | NA |
| 6.1 | General | -- |
| 6.2 | Short-circuit resistance | NA |
| 6.3 | Low power electric toys | NA |
| 6.4 | Battery circuits | NA |
| 7 | Marking and instructions | P |
| 7.1 | General | P#1 |
| 7.2 | Markings on electric toys | P#2 |
| 7.3 | Instructions and markings on packaging | P |
| 7.4 | Instructions for electric toys that can be connected to class I equipment | NA |
| 7.5 | Instructions for ride-on electric toys | NA |
| 7.6 | Temperature warnings | NA |



TEST REPORT

Number : HKGH02862174

| Clause | Requirement | Assessment |
|--------|---|------------|
| 8 | Power input | NA |
| 9 | Heating and abnormal operation | P |
| 9.1 | General | P |
| 9.2 | Testing condition | -- |
| 9.3 | Normal operation | P |
| 9.4 | Normal operation with insulation short-circuited | P |
| 9.5 | Abnormal operation with temperature controls made inoperable | NA |
| 9.6 | Electric toys with accessible moving parts locked | NA |
| 9.7 | Additional transformers and power supplies | NA |
| 9.8 | Abnormal supply to electric toys via a USB connection | NA |
| 9.9 | Fault condition in electronic circuits | P |
| 9.10 | Compliance criteria | P |
| 10 | Electric strength | P |
| 10.1 | Electric strength at operating temperature | P |
| 10.2 | Electric strength under humid conditions | P |
| 11 | Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid | NA |
| | To be used with liquid and electric toys intended to filled from a tap | NA |
| | To be cleaned with liquid | NA |
| | To be used in water | NA |
| 12 | Mechanical strength | P |
| 12.1 | Enclosures | P |
| 12.2 | Attachment strength | NA |
| 13 | Construction | P |
| 13.1 | Nominal supply voltage | P |
| 13.2 | Transformers, power supplies and battery chargers | NA |
| 13.3 | Thermal cut-outs | NA |
| 13.4 | Batteries | P |
| 13.5 | Plug and sockets | NA |
| 13.6 | Charging batteries | NA |
| 13.7 | Series motors | NA |
| 13.8 | Working voltage | NA |
| 13.9 | Electric toys connecting to other equipment | NA |
| 13.10 | Speed limitation of ride-on electric toys | NA |
| 14 | Protection of cords and wires | P |
| 14.1 | Edges and moving parts | P |
| 14.2 | Fixed parts | P |
| 15 | Components | P |
| 15.1.1 | General | P |
| 15.1.2 | Switches and automatic controls | NA |
| 15.1.3 | Other components | P |



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Number : HKGH02862174

| Clause | Requirement | Assessment |
|---------|--|------------|
| 15.2 | Prohibited components | P |
| 15.3 | Transformers and power supplies | NA |
| 15.4 | Battery chargers | NA |
| 15.5 | Batteries | NA |
| | Supplied primary batteries comply with the relevant parts of the IEC 60086 series | NA |
| | Supplied secondary batteries comply with IEC 62133 | NA |
| 16 | Screws and connections | P |
| 16.1 | Fixings | P |
| 16.2 | Connections | NA |
| 17 | Clearances and creepage distances | P |
| 18 | Resistance to heat and fire | P |
| 18.1 | Resistance to heat | NA |
| 18.2 | Resistance to fire | P |
| 19 | Radiation and similar hazards | -- |
| 19.1 | General | -- |
| 19.2 | Optical radiation (In Annex E) | -- |
| 19.3 | Other electromagnetic radiation (In Annex I) | -- |
| Annex A | Experimental sets | NA |
| Annex B | Needle flame test | NA |
| Annex C | Automatic controls and switches | NA |
| C.1 | Automatic controls | NA |
| C.2 | Switches | NA |
| Annex D | Electric toys with protective electronic circuits | NA |
| D.1 | General | NA |
| D.2 | Dangerous malfunction | NA |
| D.2.1 | General | NA |
| D.2.2 | Electrostatic discharges | NA |
| D.2.3 | Radiated fields | NA |
| D.2.4 | Transient bursts | NA |
| D.2.5 | Voltage surges | NA |
| D.2.6 | Injected current | NA |
| D.2.7 | Voltage dips and interruptions | NA |
| D.2.8 | Mains signals | NA |
| Annex E | Safety of electric toys incorporating optical radiation sources | -- |
| | 19.E.2 - 19.E.4 Radiation Hazard | #3 |
| | 19.E.5 Modulated accessible emission warning | NA |
| Annex F | Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys | -- |
| Annex G | Examples of calculations on LEDs | -- |
| Annex H | Explanation of the principles used for the requirements of Annex E | -- |



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| Clause | Requirement | Assessment |
|---------|---|------------|
| Annex I | Electric toys generating electromagnetic fields (EMF) | NA |
| Annex J | Safety of remote controls for electric ride-on toys | NA |
| Annex K | Flow charts showing the application of Clause 9 | -- |

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

Remark(s):

- #1 = Only the English version of the marking and instructions were assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.

- #2 = Clause 7.2.1 Below are additional information according to the requirement in Toy Safety Directive 2009/48/EC relating to marking of toys and do not constitute requirements of this European Standard:
The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.

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

Date sample received : Apr 13, 2022, May 06, 2022
Test Period : Apr 13, 2022 to May 23, 2022



TEST REPORT

Number : HKGH02862174

(10) 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 |

| | 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 |



TEST REPORT

Number : HKGH02862174

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

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

The above limit was quoted according to Section 4.3.5 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17

ppm = parts per million = mg/kg

Tested Components:

- (1) Pink coating on plastic (shell of pink turtle).
- (2) Blue coating on plastic (shell of blue turtle).
- (3) Ivory plastic (shell of all styles).
- (4) Light pink plastic (button of pink turtle).
- (5) Light blue plastic (button of blue turtle).
- (6) Black plastic (volume knob, battery compartment of all styles).
- (7) 3mm pink plush (body of pink turtle).
- (8) Pink brushed knit (battery door cover of pink turtle).
- (9) Blue brushed knit (battery door cover of blue turtle).
- (10) White/ black embroidery thread (eyes, mouth of all styles).
- (11) White woven with light blue/ blue/ yellow thread stitching (logo label).
- (12) 3mm blue plush with deep blue printing (body of blue turtle).
- (13) White satin with black printing (sewn in label).



TEST REPORT

Number : HKGH02862174

Decision Rule:

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

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

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

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to May 27, 2022



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TEST REPORT

Number : HKGH02862174

(11) Tracking Label Assessment

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

Tracking label found on the packaging:

BTL Diffusion
#435 of Fuming Road Dalang Town, Dongguan Guangdong, China
TTP23C1890901

Tracking label found on the product:

BTL DIFFUSION
#435 of Fuming Road Dalang Town, Dongguan Guangdong, China
TTP23C1890901

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

Date sample received : Apr 13, 2022
Test Period : Apr 13, 2022 to Apr 25, 2022



TEST REPORT

Number : HKGH02862174

(12) Heavy Elements Analysis in plastic

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

Assessment : Not Applicable

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to May 27, 2022



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TEST REPORT

Number : HKGH02862174

(13) 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 (IEC 60825-1: 2014) | Not Applicable |
| 19.E.4 | UV-emitting lamps | Not Applicable |

Table of measuring data

| For Yellow LED (water clear) | | | | | |
|---------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit |
| Normal (without cover) | 592nm | 14.8nm | 200mm | 2.09mW/sr | 0.76W/sr |
| Fault (without cover) | 592nm | 14.8nm | 200mm | 3.05mW/sr | 0.76W/sr |

| For Green LED (water clear) | | | | | |
|--------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit |
| Normal (without cover) | 516nm | 27.8nm | 200mm | 2.81mW/sr | 0.51W/sr |
| Fault (without cover) | 516nm | 27.8nm | 200mm | 3.22mW/sr | 0.51W/sr |



TEST REPORT

Number : HKGH02862174

| For Blue LED (water clear) | | | | | |
|----------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit |
| Normal (without cover) | 464nm | 19.6nm | 200mm | 4.05mW/sr | 0.06W/sr |
| Fault (without cover) | 464nm | 19.6nm | 200mm | 4.87mW/sr | 0.06W/sr |

Remark:

1. When determining the test conclusion, the Measurement Uncertainty of test has been considered. The decision rules are based on IEC Guide 115 with complying the relevant requirements of environment and equipment.
2. The test was conducted by operating the apparatus at rated voltage 4.5VDC.
3. 1 pc. 4.8mm round type water clear Yellow LED is used in the apparatus.
4. 1 pc. 4.8mm round type water clear Green LED is used in the apparatus.
5. 1 pc. 4.8mm round type water clear Blue LED is used in the apparatus.

Date sample received : Apr 13, 2022, May 16, 2022
 Testing period : Apr 13, 2022 to May 20, 2022



TEST REPORT

Number : HKGH02862174

(14) Optical Radiation

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

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

Table of measuring data

| For Yellow LED (water clear) | | | | | |
|---------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit |
| Normal (without cover) | 592nm | 14.8nm | 200mm | 2.09mW/sr | 0.76W/sr |
| Fault (without cover) | 592nm | 14.8nm | 200mm | 3.05mW/sr | 0.76W/sr |

| For Green LED (water clear) | | | | | |
|--------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit |
| Normal (without cover) | 516nm | 27.8nm | 200mm | 2.81mW/sr | 0.51W/sr |
| Fault (without cover) | 516nm | 27.8nm | 200mm | 3.22mW/sr | 0.51W/sr |



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| For Blue LED (water clear) | | | | | |
|-------------------------------|---------------------|-----------------------------|--------------------|----------------------------|----------|
| Condition | Measured Wavelength | Spectral Emission Bandwidth | Measuring Distance | Measured Radiant Intensity | Limit |
| Normal (without cover) | 464nm | 19.6nm | 200mm | 4.05mW/sr | 0.06W/sr |
| Fault (without cover) | 464nm | 19.6nm | 200mm | 4.87mW/sr | 0.06W/sr |

Remark:

1. When determining the test conclusion, the Measurement Uncertainty of test has been considered. The decision rules are based on IEC Guide 115 with complying the relevant requirements of environment and equipment.
2. The test was conducted by operating the apparatus at rated voltage 4.5VDC.
3. 1 pc. 4.8mm round type water clear Yellow LED is used in the apparatus.
4. 1 pc. 4.8mm round type water clear Green LED is used in the apparatus.
5. 1 pc. 4.8mm round type water clear Blue LED is used in the apparatus.

Date sample received : Apr 13, 2022, May 16, 2022
 Testing period : Apr 13, 2022 to May 20, 2022



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(15) Toxic Elements Analysis

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

Materials other than modelling clay:

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

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

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



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

| | Result (mg/kg) | Limit (mg/kg) |
|-----------------------|----------------|---------------|
| | (13) | |
| 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 |

mg/kg = milligram per kilogram

Tested Components:

- (1) Pink coating on plastic (shell of pink turtle).
- (2) Blue coating on plastic (shell of blue turtle).
- (3) Ivory plastic (shell of all styles).
- (4) Light pink plastic (button of pink turtle).
- (5) Light blue plastic (button of blue turtle).
- (6) Black plastic (volume knob, battery compartment of all styles).
- (7) 3mm pink plush (body of pink turtle).
- (8) Pink brushed knit (battery door cover of pink turtle).
- (9) Blue brushed knit (battery door cover of blue turtle).
- (10) White/ black embroidery thread (eyes, mouth of all styles).
- (11) White woven with light blue/ blue/ yellow thread stitching (logo label).
- (12) 3mm blue plush with deep blue printing (body of blue turtle).
- (13) White satin with black printing (sewn in label).



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Decision Rule:

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

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

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

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Jun 23, 2022



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Number : HKGH02862174

(16) Toxic Elements Analysis

Test Method : AS/NZS ISO 8124-3:2003/AS/NZS ISO 8124-3:2021. Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma Optical Emission Spectrometry.

Materials other than modelling clay:

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

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

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



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

| | Result (mg/kg) | Limit (mg/kg) |
|-----------------------|----------------|---------------|
| | (13) | |
| 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 |

mg/kg = milligram per kilogram

Tested Components:

- (1) Pink coating on plastic (shell of pink turtle).
- (2) Blue coating on plastic (shell of blue turtle).
- (3) Ivory plastic (shell of all styles).
- (4) Light pink plastic (button of pink turtle).
- (5) Light blue plastic (button of blue turtle).
- (6) Black plastic (volume knob, battery compartment of all styles).
- (7) 3mm pink plush (body of pink turtle).
- (8) Pink brushed knit (battery door cover of pink turtle).
- (9) Blue brushed knit (battery door cover of blue turtle).
- (10) White/ black embroidery thread (eyes, mouth of all styles).
- (11) White woven with light blue/ blue/ yellow thread stitching (logo label).
- (12) 3mm blue plush with deep blue printing (body of blue turtle).
- (13) White satin with black printing (sewn in label).



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Number : HKGH02862174

Decision Rule:

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

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

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

Date sample received : Apr 13, 2022

Test Period : Apr 13, 2022 to Jun 23, 2022



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End of report

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