

Test Report

Report No.: CTT2008032435EN

Date: Aug. 14, 2020

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Applicant:

Address:

Sample Received Date: Aug. 10, 2020

Completed Date: Aug. 14, 2020

The following merchandise was (were) submitted and identified on behalf of the applicant as:

Sample Name: Yoyo

Item No.: 6778

Buyer: MKTO

Packaging Provided: Yes

Labelled Age Group: /

Appropriate Age Grading: 3+

Tested Age Grading: 3+

Applicant's Specified

Testing Age Group: 3+

Test Result(s): Please refer to next page(s).

Signed for and on Behalf of CTT

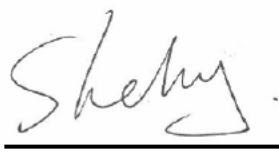


Frank / Lab manager

Consumer Testing Technology Co., Ltd.



Signed for and on Behalf of CTT



Shelly / Lab supervisor

Consumer Testing Technology Co., Ltd.

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Test Requested and Conclusion(s):

| No. | Test Sample | Standard and Requirement | Conclusion(s) |
|-----|---------------------------------------|---|---------------|
| 1 | Tested materials of submitted samples | Annex XVII items 51 & 52 of the REACH Regulation (EC) No 1907/2006 & amendment(EC) 2018/2005 - Phthalates | PASS |
| 2 | Tested materials of submitted samples | EN 71-3:2019 - Migration of certain elements (Category III) | PASS |
| 3 | Submitted samples | EN 71-1:2014+A1:2018, European Standard Safety of toys - Part 1: Mechanical and Physical Properties (Excluding Section 7.1) | PASS |
| 4 | Submitted samples | EN 71-2:2011+A1:2014, European Standard Safety of toys -Part 2: Flammability | PASS |

Test Result(s):

Phthalates

Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

| Test Substances | CAS No. | Report Limit (mg/kg) | Limit (mg/kg) | Result (mg/kg) |
|-----------------------------------|--------------------------|----------------------|---------------|----------------|
| | | | | 1 |
| Dibutyl phthalate(DBP) | 84-74-2 | 50 | -- | N.D. |
| Butyl benzyl phthalate(BBP) | 85-68-7 | 50 | -- | N.D. |
| Bis(2-ethylhexyl) phthalate(DEHP) | 117-81-7 | 50 | -- | N.D. |
| Diisobutyl phthalate(DIBP) | 84-69-5 | 50 | -- | N.D. |
| SUM (DBP+BBP+DEHP+DIBP) | -- | -- | 1000 | N.D. |
| Di-n-octyl phthalate(DNOP) | 117-84-0 | 50 | -- | N.D. |
| Diisodecyl phthalate(DIDP) | 26761-40-0 68515-49-1 | 100 | -- | N.D. |
| Diisononyl phthalate(DINP) | 28553-12-0 68515-48-0 | 100 | -- | N.D. |
| SUM (DNOP+DIDP+DINP) | -- | -- | 1000 | N.D. |
| Conclusion | | | | PASS |

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Report Limit.

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Test Result(s):

Migration of Certain Elements (General Elements) - EN 71-3:2019 (Category III)

Method: EN 71-3:2019 Annex E, analyzed by Inductively Coupled Plasma Optical Emission spectroscopy (ICP-OES)

| Substance | RL (mg/kg) | Limit (mg/kg) | Result (mg/kg) |
|-----------------------------|------------|---------------|----------------|
| | | | 1 |
| Aluminium (Al) | 5 | 70000 | N.D. |
| Arsenic (As) | 2.5 | 47 | N.D. |
| Boron (B) | 5 | 15000 | N.D. |
| Barium (Ba) | 5 | 18750 | N.D. |
| Cadmium (Cd) | 5 | 17 | N.D. |
| Cobalt (Co) | 5 | 130 | N.D. |
| Chromium | 2.0 | -- | N.D. |
| Chromium (III) ⁿ | 2.0 | 460 | N.D. |
| Chromium (VI) ⁿ | 0.025 | 0.053 | N.D. |
| Copper (Cu) | 5 | 7700 | N.D. |
| Mercury (Hg) | 5 | 94 | N.D. |
| Manganese (Mn) | 5 | 15000 | N.D. |
| Nickel (Ni) | 5 | 930 | N.D. |
| Lead (Pb) | 5 | 23 | N.D. |
| Antimony (Sb) | 5 | 560 | N.D. |
| Selenium (Se) | 5 | 460 | N.D. |
| Tin (Sn) | 2.5 | 180000 | N.D. |
| Strontium (Sr) | 5 | 56000 | N.D. |
| Zinc (Zn) | 5 | 46000 | 20 |
| Organic tin ⁿ | 2.5 | 12 | N.D. |
| Conclusion(s) | | | PASS |

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. Migration of organic tin was calculated by summat ion of the migration values of Methyl tin, Dimethyl tin, Di-n-propyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin,n-Octyl tin, Di-n-octyl tin,Diphenyl tin,Triphenyl tin and was expressed as tributyltin cation content. however other organic tin compounds may also be present in the sample, The Toy Safety Directive

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- (2009/48/EC) requirement covers total migratable organic tin
5. If soluble chromium or soluble tin were not detected, soluble chromium(VI) or organic tin were considered not detected; If soluble chromium or soluble tin were detected, soluble chromium (VI) or organic tin were verified by below method:
 - Chromium VI: EN 71-3:2019 Annex F, analyzed by Ion Chromatograph Ultraviolet spectroscopy (IC-UV)
 - Organic tin: EN 71-3:2019 Annex G, analyzed by Gas Chromatography – Mass Spectroscopy (GC-MS).

Test Result(s):

Mechanical and Physical Test - EN 71-1:2014+A1:2018

| Section | Testing Items | Assessment |
|------------------------|--|------------|
| | | 2 |
| 4 | General requirements | PASS |
| 4.1 | Material cleanliness | PASS |
| 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 | PASS |
| 4.8 | Points and metallic wires | PASS |
| 4.9 | Protruding parts | NA |
| 4.10 | Parts moving against each other | NA |
| 4.11 ⁿ | Mouth-actuated toys and other toys intended to be put in the mouth | NA |
| 4.12 | Balloons | NA |
| 4.13 | Cords of toy kites and other flying toys | NA |
| 4.14 | Enclosures | NA |
| 4.14.1 | Toys which a child can enter | NA |
| 4.14.1 a) and b) | For toys having a door, lid or similar device | NA |
| 4.14.1 c) ⁿ | Toy chest | NA |
| 4.14.2 | Masks and helmets | NA |
| 4.15 ⁿ | Toys intended to bear the mass of a child | NA |
| 4.16 | Heavy immobile toys | NA |
| 4.17 | Projectile toys | NA |

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| | | |
|-------------------|--|-----|
| 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 ⁿ | Acoustics | NA |
| 4.21 ⁿ | Toys containing a 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: | NA |
| 5.2 | Soft-filled toys and soft-filled parts of a toy | NA |
| 5.3 | Plastic sheeting | NA |
| 5.4 | Cords, chains and electrical cables in toys | NA |
| 5.5 | Liquid-filled toys | NA |
| 5.6 | Speed limitation of electrically-driven ride-on toys | NA |
| 5.7 | Glass and porcelain | NA |
| 5.8 | Shape and size of certain toys | NA |
| 5.9 | Toys comprising monofilament fibers | 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 | NA |
| 6 | Packaging | NA |
| 7 | Warnings, markings and instructions for use | |
| 7.1 | General | NR* |
| 7.2 | Toys not intended for children under 36 months | NA |
| 7.3 | Latex balloons | NA |

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| | | |
|------|---|----|
| 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 otherwise intended to be 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 300mm 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 |

- Note:**
1. NA = Not Applicable
 2. NR = Not Requested
 3. "" = Per client's requirement, the packaging was not evaluated.

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking
The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its

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packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- Manufacturer's name was not present and Manufacturer's address was not present.
- Importer's name was present and Importer's address was present.
- CE-Marking was present.
- Product ID was present.

The submitted samples were undergone the use and abuse tests in accordance with the EN 71-1:2014+A1:2018

| Testing Items | Parameter |
|---------------|-------------|
| Torque test | 0.34Nm |
| Tension test | 90N |
| Drop test | 5×850mm |
| Impact test | 1×1Kg×100mm |

Flammability - EN 71-2:2011+A1:2014

| Section | Testing Items | Assessment |
|---------|---|------------|
| | | 2 |
| 4.1 | General requirements | PASS |
| 4.2 | Toys to be worn on the head | NA |
| 4.3 | Toy disguise costumes and toys intended to be worn by a child in play | NA |
| 4.4 | Toys intended to be entered by a child | NA |
| 4.5 | Soft-filled toys | NA |

Note: 1. NA = Not Applicable.

Test Material List

| Material No. | Description | Location |
|--------------|---------------|----------------|
| 1 | White plastic | Yo-yo body |
| 2 | Yo-yo | Yo-yo entirety |

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Photo of Sample:



End of Report

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