

# Test Report

Report No.: U02601200220030E

Query Password: QW3776

Date: Feb. 26, 2020

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**Applicant:** Huiliduo(HK)industry development LTD**Contact information:** 10A,Bldg NO.1,HengYunHaoTing,FuHua3Rd,FuTian,Shenzhen,Guangdong,China**The following sample(s) was (were) submitted and identified by client as:**

Sample Description : Musical mobile & frame

Style/Item No. : GQ005-35,M-H, GQ005-CK,GQ005-YK,GQ005-LY

Manufacturer : Shenzhen yipinju industry CO.,Ltd

Address : 10A,Bldg NO.1,HengYunHaoTing,FuHua3Rd,FuTian,Shenzhen, Guangdong, China

Materials : Plastic, Metal

Battery : 2 x "1.5V" AA (Not include)

Packaging Type : /

Instruction Manual/Sheet : No

Labeled Age Grading : Not stated

Requested Age Grading : 0 +

Age Group Applied in Testing : All ages

Sample Received Date : Feb. 20, 2020

Testing Period : From Feb. 20, 2020 to Feb. 26, 2020

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

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

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



Marcia Deng

Checked by



Nora Deng

Approved by



Pascal Shi

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**Summary of Test Results:****TEST REQUEST****CONCLUSION**

- (1) EN 71-1:2014+A1: 2018 European Standard for Safety of Toys  
Mechanical and Physical Properties
- (2) EN 71-2:2011+A1:2014 European Standard for Safety of Toys  
Flammability
- (3) EN71-3: 2019 European Standard for Safety of Toys  
Migration of Certain Elements (Scraped-off toy material)

**PASS****PASS****PASS**

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## Test Material(s) List

| Material No. | Description (Location) | Remark |
|--------------|------------------------|--------|
| 1            | White plastic(body)    | /      |

## Test Result(s):

### (4) Mechanical and Physical Properties – EN 71-1:2014+A1: 2018

| Section | Description                                | Assessment |
|---------|--|------------|
| 4.1     | Materials cleanliness                      | PASS       |
| 4.7     | Edges                                      | PASS       |
| 4.8     | Points and Metallic Wires                  | PASS       |
| 4.10    | Parts moving against each other            | PASS       |
| 4.10.2  | Driving Mechanisms                         | PASS       |
| 4.20    | Acoustics                                  | PASS       |
| 5       | Toys intended for Children under 36 months | PASS       |
| 5.1     | General Requirements                       | PASS       |
| 8.3     | Torque Test                                | PASS       |
| 8.4     | Tension test                               | PASS       |
| 8.5     | Drop test                                  | PASS       |

**Remark:** Only applicable Sections were shown.

**Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys**

Summary table:

|                              | On product | On packaging |
|------------------------------|------------|--------------|
| Washing/Cleaning instruction | Absent     | Absent       |
| CE mark                      | Absent     | Absent       |
| Name & Address & Mark        | Absent     | Absent       |
| Product ID                   | Absent     | Absent       |

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| Washing/Cleaning Label  | See Remark |
|---|------------|
| <p>(Remark: According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing:<br/>A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.)</p>   |            |
| CE mark, importer / manufacturer mark (name, address), product identification   | See Remark |
| <p><b>Remark1:</b> Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.</p> <p><b>Remark 2:</b> The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.</p> <p><b>Remark3:</b> Manufacturers must 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.)</p> |            |

## (2) Flammability – EN 71-2:2011+A1:2014

| Section | Test Item            | Assessment |
|---------|----------------------|------------|
| 4.1     | General requirements | PASS       |

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### (3) Migration of Certain Elements

**Test Method:** With reference to EN71-3: 2019, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Inductively Coupled Plasma Mass Spectrometer (ICP-MS), Gas Chromatograph-Mass Spectrometry (GC-MS) and Ion Chromatograph.

| Substance                           | RL (mg/kg) | Test Result (mg/kg) |
|-------------------------------------|------------|---------------------|
|                                     |            | 1                   |
| Aluminium (Al)                      | 5.0        | N.D.                |
| Antimony (Sb)                       | 5.0        | N.D.                |
| Arsenic (As)                        | 0.5        | N.D.                |
| Barium (Ba)                         | 5.0        | N.D.                |
| Boron (B)                           | 5.0        | N.D.                |
| Cadmium (Cd)                        | 0.2        | N.D.                |
| Chromium(III) (Cr <sup>3+</sup> ) # | 2.0        | N.D.                |
| Chromium(VI) (Cr <sup>6+</sup> ) #  | 0.05       | N.D.                |
| Cobalt (Co)                         | 1.0        | N.D.                |
| Copper (Cu)                         | 5.0        | N.D.                |
| Lead (Pb)                           | 2.0        | N.D.                |
| Manganese (Mn)                      | 5.0        | N.D.                |
| Mercury (Hg)                        | 1.0        | N.D.                |
| Nickel (Ni)                         | 5.0        | N.D.                |
| Selenium (Se)                       | 5.0        | N.D.                |
| Strontium (Sr)                      | 5.0        | N.D.                |
| Tin (Sn)                            | 5.0        | N.D.                |
| Organic tin☆                        | 0.1        | N.D.                |
| Zinc (Zn)                           | 5.0        | N.D.                |
| <b>Conclusion</b>                   |            | PASS                |

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## The table of Migration Elements limit:

| Substance                         | Limit (mg/kg)                                  |                            |                       |
|-----------------------------------|--|----------------------------|-----------------------|
|                                   | Dry, brittle, powder-like or pliable materials | Liquid or sticky materials | Scraped-off materials |
| Aluminium (Al)                    | 5625   | 1406                       | 70000                 |
| Antimony (Sb)                     | 45   | 11.3                       | 560                   |
| Arsenic (As)                      | 3.8  | 0.9                        | 47                    |
| Barium (Ba)                       | 1500   | 375                        | 18750                 |
| Boron (B)                         | 1200   | 300                        | 15000                 |
| Cadmium (Cd)                      | 1.3  | 0.3                        | 17                    |
| Chromium(III) (Cr <sup>3+</sup> ) | 37.5   | 9.4                        | 460                   |
| Chromium(VI) (Cr <sup>6+</sup> )  | 0.02   | 0.005                      | 0.053                 |
| Cobalt (Co)                       | 10.5   | 2.6                        | 130                   |
| Copper (Cu)                       | 622.5  | 156                        | 7700                  |
| Lead (Pb)                         | 2.0  | 0.5                        | 23                    |
| Manganese (Mn)                    | 1200   | 300                        | 15000                 |
| Mercury (Hg)                      | 7.5  | 1.9                        | 94                    |
| Nickel (Ni)                       | 75   | 18.8                       | 930                   |
| Selenium (Se)                     | 37.5   | 9.4                        | 460                   |
| Strontium (Sr)                    | 4500   | 1125                       | 56000                 |
| Tin (Sn)                          | 15000  | 3750                       | 180000                |
| Organic tin ☆                     | 0.9  | 0.2                        | 12                    |
| Zinc (Zn)                         | 3750   | 938                        | 46000                 |

### Note:

1. mg/kg = part per million (ppm).
2. N.D. = Not Detected (< RL).
3. RL = Report Limit.
4. Calculated concentration of Chromium(III) (Cr<sup>3+</sup>) and Chromium(VI) (Cr<sup>6+</sup>) are based on total Chromium.
5. “#” = The Test Item(s) was(were) not got CNAS accreditation.
6. “☆” = Organic tin include Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl tin. The migration of organic tin is expressed as tributyltin.

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Photo(s) of Sample:

**\*\*\*End of Report\*\*\***

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