

Applicant : Beijing Ke Yi Technology Co., Ltd.
Address : 8th Floor, Dimeng Building, Huayuan Road, Haidian District, Beijing China

The following sample(s) was/were submitted and identified on behalf of the client as:

Product Name : Loona smart toy
Model : KY004LN01, KY004LN02, KY004LN03
Manufacturer : Beijing Ke Yi Technology Co., Ltd.
Address : 8th Floor, Dimeng Building, Huayuan Road, Haidian District, Beijing China

Requested Age Grading : 6 years +
Labeled Age Grading : Ages:6+
Exported to : /
Country of Origin : /

Age of Testing : Over 72 months
Date of Sample Received : Jan. 05, 2023
Test period : Jan. 05, 2023 - Feb. 14, 2023
Test requested : Please refer to next page.

Tested by:

Charles Wen

Reviewed by:

Kaga Au

Approved by:Richard Ke
(Signed for and on behalf)**Date:**

Feb. 24, 2023



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Dongguan NTEK Testing Technology Co., Ltd.**Address: Building 3, Meisaidaxin Park, Keji 8th Road, Songshan Lake High-Tech Industrial Development Zone, Dongguan, Guangdong, China****Tel: (+86-769) 23301666****Fax: (+86-769) 23301600****Email: service@dgntek.cn****<http://www.dgntek.org.cn>**

Test requested The submitted sample was tested under the following requirements requested by the applicant	Conclusion
-EN 71-1:2014+A1:2018 - Mechanical and physical properties	Pass
- EN 71-2:2020 - Flammability	Pass
- Labeling requirement -According to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	See Result Pages
- EN 71-3:2019+A1:2021- Migration of certain elements	Pass

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Test Results:

- EN 71-1:2014+A1:2018 - Mechanical and physical properties

Section	Description	Results
4	GENERAL REQUIREMENTS	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and Wires	Pass
4.20	Acoustics	N/C
7	Warnings, markings and instructions for use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass

Remark:

- (1) Only applicable clause were shown.
- (2) N/C=Not Conducted as per client's request.

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- Labeling requirement -According to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys

Summary table:

Labeling Information	Observation Results	Location
CE mark	Present	Package
Importer's Name & Address	Absent	---
Manufacturer's Name & Address	Present	Package
Product ID	Present	Package
Washing/Cleaning instruction	Not Applicable	---

Note:

- (1) CE marking should be visible from outside the packaging and its height must be at least 5mm.
- (2) The manufacturer's and importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must shall be indicated on the toy, where that is not possible, on its packaging or in a document accompanying the toy.
- (3) 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.
- (4) According to Directive 2009/48/EC, 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 shall, to this end, be washable, except if contains a mechanism that may be damaged if soak washed. The manufacturer Should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable.

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- EN 71-2:2020 - Flammability

Section	Description	Results
4.1	General	Pass

Remark: Only applicable clause were shown.

- EN 71-3:2019+A1:2021+A1:2021- Migration of certain elements

Category 3: Scraped-off material(s)

General elements test

Test method: With reference to EN 71-3:2019+A1:2021, and test by ICP-MS.

Test Items	MDL (mg/kg)	Limit (mg/kg)	Results (mg/kg)						
			No.1	No.2	No.3	No.4	No.5	No.6	No.7
Aluminium (Al)	50	28130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	5	560	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.5	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	50	18750	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Boron (B)	50	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.1	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1	130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	50	7700	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	0.5	23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	50	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1	94	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5	930	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	50	56000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	3	180000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	50	46000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr(III))	46	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr(VI)) ^Δ	0.053	0.053	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin (as TBT) [#]	---	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Test Items	MDL (mg/kg)	Limit (mg/kg)	Results (mg/kg)			
			No.8	No.11	No.12	No.13
Aluminium (Al)	50	28130	N.D.	138	N.D.	117
Antimony (Sb)	5	560	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.5	47	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	50	18750	N.D.	N.D.	N.D.	N.D.
Boron (B)	50	15000	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.1	17	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1	130	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	50	7700	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	0.5	23	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	50	15000	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1	94	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5	930	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5	460	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	50	56000	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	3	180000	N.D.	14	N.D.	9
Zinc (Zn)	50	46000	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr(III))	46	460	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr(VI)) [△]	0.053	0.053	N.D.	N.D.	N.D.	N.D.
Organic tin (as TBT) [#]	---	12	N.D.	N.D.	N.D.	N.D.

Soluble Organic tin

Test method: With reference to EN71-3:2019, and test by GC-MS.

Test Item	MDL (mg/kg)	Limit (mg/kg)	Results (mg/kg)	
			No.11	No.13
Organic tin (as TBT)	3	12	N.D.	N.D.

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Test Part Description:

Group No.	Picture No.	Test Part Name	Note
No.1	1	White plastic body shell	/
No.2	2	Gray plastic body shell	/
No.3	3	Dark gray plastic front wheel	/
No.4	4	Grey plastic side cover	/
No.5	5	Light grey plastic outer hub/tail cover	/
No.6	6	Grey plastic inner hub	/
No.7	7	Translucent plastic lampshade	/
No.8	8	Grey soft rubber rear wheel	/
No.9	9	Silver metal sheet	Non small part
No.10	10	Black glass screen	Non small part
No.11	11	Grey soft rubber thread leather	/
No.12	12	White plastic handle	/
No.13	13	White plastic USB interface inside	/
No.14	14	Silver metal USB interface	Non small part
No.15	15	Silver metal Type-C interface	Non small part

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Note:

- (1) “△”The reported value was the potential maximum content obtained by Soluble Chromium content. If the result exceeded the reference limit, further confirmation test by IC-ICP-MS has to be conducted.
- (2) The results of Soluble Chromium(III) (Cr(III)) = Soluble Chromium(Cr)-Soluble Chromium(Cr(VI));
- (3) “#”The reported value was the potential maximum content obtained by Soluble Tin (Sn). If the result exceeded the reference limit, further confirmation test by GC-MS has to be conducted.
- (4) mg/kg=ppm=0.0001%; N.D.=Not Detected(<MDL); MDL=Method Detection Limit;
- (5) The migration of organic tins content is expressed as Tributyltin(TBT) in this test report.;
- (6) List of Soluble Organic tin

No.	Soluble Organic tin
1	Methyl tin (MeT)
2	Butyl tin (BuT)
3	Di-n-propyl tin (DProT)
4	Dibutyl tin (DBT)
5	Tributyl tin (TBT)
6	n-Octyl tin (MOT)
7	Tetrabutyl tin (TeBT)
8	Diphenyl tin (DPHT)
9	Di-n-octyl tin (DOT)
10	Triphenyl tin (TPHT)
11	Dimethyl tin (DMT)

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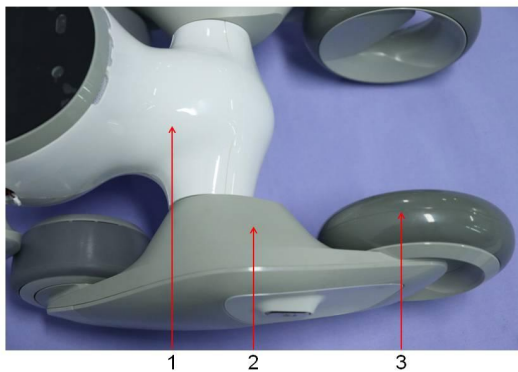
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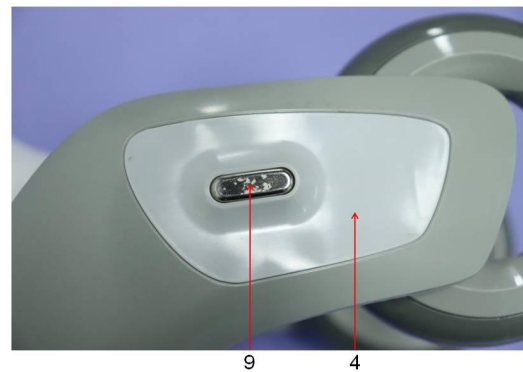
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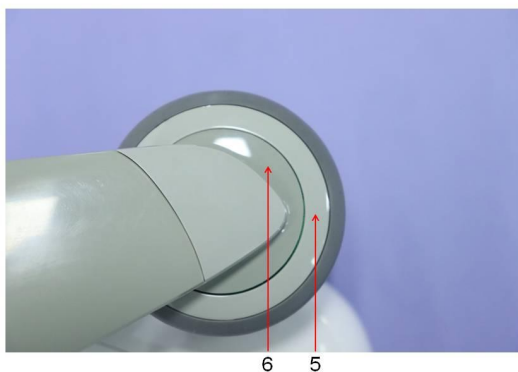
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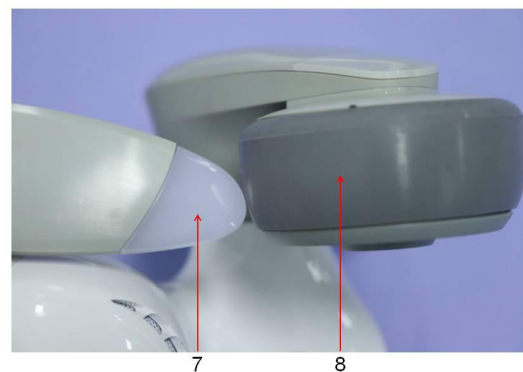
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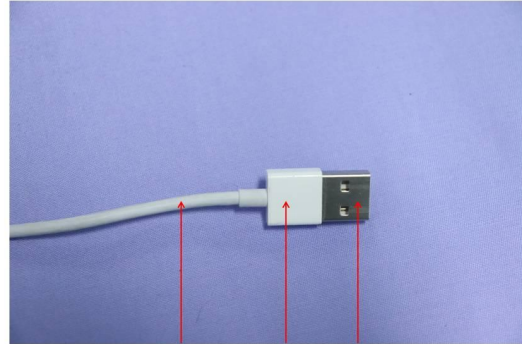
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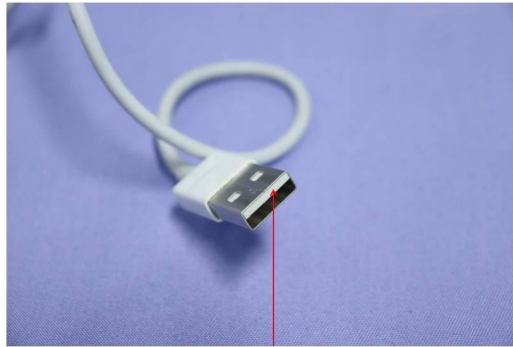
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End of Report

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