



Test Report



Report No.:PTC22111501601C-EN01

Issue Date:Dec. 20, 2022

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Applicant: Guangdong Haiqin Technology Co., Ltd.
Address: Chang'an Town, Dongguan, Guangdong, China

The following merchandise was (were) submitted and identified by client as:

Sample Name: busy board
Style No.: busy board 001
Colour: Yellow Blue
Buyer: Pieter
Country of Origin: China
Country of Destination: Netherlands
Age Group for Testing: 8+
Applicant's Specified Age Group for Testing: 8+
Manufacture: Baby Cow Toys Company
Address: Yunhe County, Zhejiang ProvinceCHINA
Sample Received Date: Nov.15, 2022 & Dec. 19, 2022
Completed Date: Dec. 20, 2022

Test Requested and Conclusion(s): Please refer to next page(s).



Prepared by: Anne

Checked by: May Chan

* Approved by:Miya

Anne

May Chan

miya

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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1)	Submitted sample	EN 71-1:2014+A1:2018 European Standard for Safety of Toys - Mechanical and Physical Properties	PASS
2)	Submitted sample	EN 71-2:2020 European Standard for Safety of Toys - Flammability	PASS
3)	Submitted sample	EN 71-3:2019+A1:2021 European Standard for Safety of Toys - Migration of Certain Elements	PASS (Category III)

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

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Test Result(s):

1) EN 71-1:2014+A1:2018 European Standard for Safety of Toys

Mechanical and Physical Properties

Section	Test Item	Assessment
4.1	Material cleanliness	PASS
4.2	Assembly	N.A.
4.3	Flexible plastic sheeting	N.A.
4.4	Toy bags	N.A.
4.5	Glass	N.A.
4.6.	Expanding materials	N.A.
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
4.9	Protruding parts	PASS
4.10	Parts moving against each other	N.A.
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N.A.
4.13	Cords of toy kites and other flying toys	N.A.
4.14	Enclosures	N.A.
4.15	Toys intended to bear the mass of a child	N.A.
4.16	Heavy immobile toys	N.A.
4.17	Projectile toys	N.A.
4.18	Aquatic toys and inflatable toys	N.A.
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N.A.
4.20	Acoustics	PASS
4.21	Toys containing a non-electrical heat source	N.A.
4.22	Small balls	N.A.

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Section	Test Item	Assessment
4.23	Magnets	N.A.
4.24	Yo-yo balls	N.A.
4.25	Toys attached to food	N.A.
4.26	Toy disguise costumes	N.A.
4.27	Flying toys	N.A.
5	Toys intended for children under 36 months	
5.1	General requirements	N.A.
5.2	Soft-filled toys and soft-filled parts of a toy	N.A.
5.3	Plastic sheeting	N.A.
5.4	Cords ,chains and electrical cables in toys	N.A.
5.5	Liquid-filled toys	N.A.
5.6	Speed limitation of electrically-driven ride-on toys	N.A.
5.7	Glass and porcelain	N.A.
5.8	Shape and size of certain toys	N.A.
5.10	Small balls	N.A.
5.11	Play figures	N.A.
5.12	Hemispheric-shaped toys	N.A.
5.13	Suction cups	N.A.
5.14	Straps intended to be worn fully or partially around the neck	N.A.
6	Packaging	PASS
7	Warnings ,markings and instructions for use	
7.1	General	N.A.
7.2	Toys not intended for children under 36 months	PASS
7.3	Latex balloons	N.A.

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Section	Test Item	Assessment
7.4	Aquatic toys	N.A.
7.5	Functional toys	N.A.
7.6	Hazardous sharp functional edges and points	N.A.
7.7	Projectile toys	N.A.
7.8	Imitation protective masks and helmets	N.A.
7.9	Toy kites	N.A.
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N.A.
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	N.A.
7.12	Liquid-filled teethers	N.A.
7.13	Percussion caps specifically designed for use in toys	N.A.
7.14	Acoustics	N.A.
7.15	Toy bicycles	N.A.
7.16	Toys intended to bear the mass of a child	N.A.
7.17	Toys comprising monofilament fibres	N.A.
7.18	Toy scooters	N.A.
7.19	Rocking horses and similar toys	N.A.
7.20	Magnetic/electrical experimental sets	N.A.
7.21	Toys with electrical cables exceeding 300 mm in length	N.A.
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N.A.
7.23	Toys intended to be attached to a cradle, cot, or perambulator	N.A.
7.24	Sledges with cords for pulling	N.A.
7.25	Flying toys	N.A.
7.26	Improvised projectiles	N.A.

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Note: 1. N.A. = Not Applicable.

Test Result(s):

2) EN 71-2:2020 European Standard for Safety of Toys

Flammability

Section	Test Item	Assessment
4.1	General requirements	PASS
4.2	Toys to be worn on the head	N.A.
4.3	Toys disguise costumes and toys intended to worn by a child in play	N.A.
4.4	Toys intended to be entered by a child	N.A.
4.5	Soft-filled toys	N.A.

Note: N.A. = Not Applicable

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Test Result(s):

3) EN 71-3:2019+A1:2021 European Standard for Safety of Toys

Migration of Certain Elements

Method:As per EN 71-3:2019+A1:2021 , analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Gas Chromatograph-Mass Spectrometry (GC-MS) and ion chromatograph .

Substance	RL (mg/kg)	Result (mg/kg)						
		1	2	3	4	5	8	9
Aluminium (Al)	5.0	N.D.	14	502	329	208	N.D.	N.D.
Antimony (Sb)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5.0	11	10	6	7	9	N.D.	N.D.
Boron (B)	5.0	6	6	N.D.	N.D.	N.D.	6	N.D.
Cadmium (Cd)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr ⁶⁺)	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5.0	N.D.	N.D.	28	6	N.D.	N.D.	N.D.
Mercury (Hg)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5.0	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin☆	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5.0	20	689	138	282	112	25	N.D.
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	PASS

- Note:**
1. mg/kg = part per million (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Report Limit.
 4. "☆" = The migration of organic tin is expressed as tributyltin.

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The table of Migration Elements limit:

Substance	Limit (mg/kg)		
	Category I: Dry, brittle, powder-like or pliable toy material	Category II: Liquid or sticky toy material	Category III: Scraped-off toy material
Aluminium (Al)	2250	560	28130
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 ³⁺)	37.5	9.4	460
Chromium(VI) (Cr ⁶⁺)	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: "◇" = Organic tin include Methyl tin, Dimethyltin, Butyltin, Dibutyl tin, Tributyl tin, Monoctyltin, Tetrabutyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin.

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Test Material List

The following material(s) apply only to the sample(s) submitted for chemical testing.

Material No.	Description	Location
1	Natural wood	Body
2	White gloss oil	Surface base
3	Dark green coating	Steering wheel/gear handle/keys/prompter/odometer pointer/packing case lid surface
4	Light blue coating	Light button/fuel consumption button/odometer frame surface
5	Orange coating	Mirror border/switch button/odometer surface
6	Black coating	Cue/light/switch/odometer pattern
7	Colour printing	Item pattern/flash pattern
8	White fabric	Key string
9	transparent plastic	mirror

Remark:Since the weight of the material No.6~7 are less than 10 mg, according to the requirement of standard, soluble heavy metal analysis was not applicable.

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Photo(s) of Sample:



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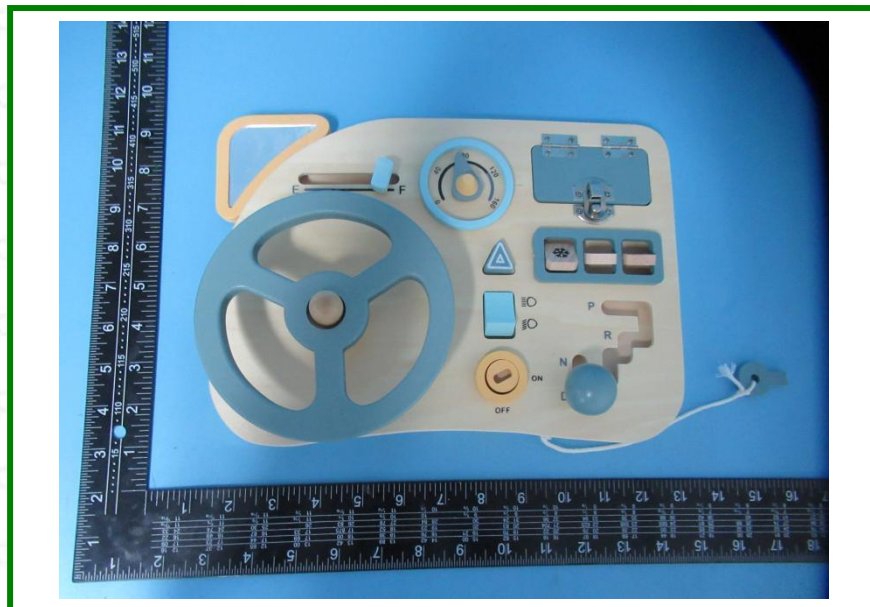
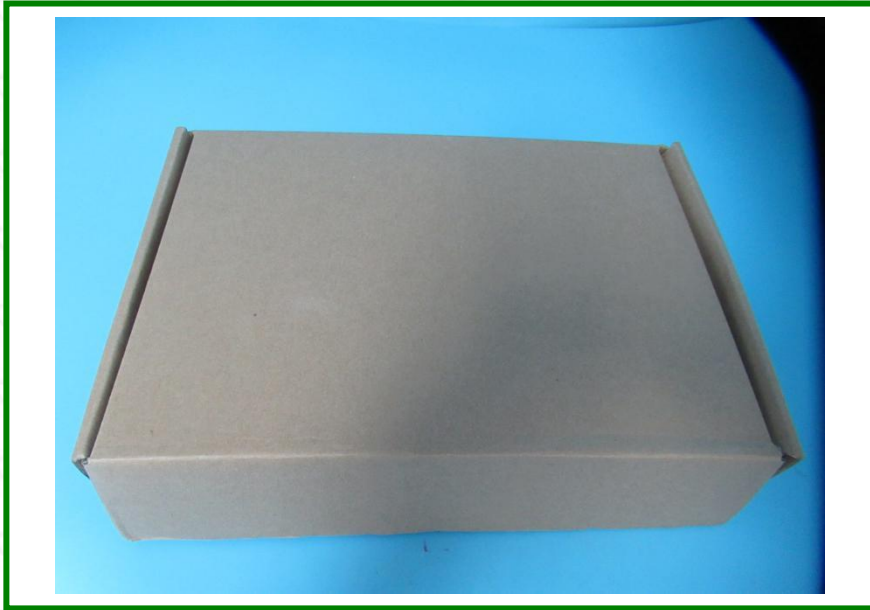


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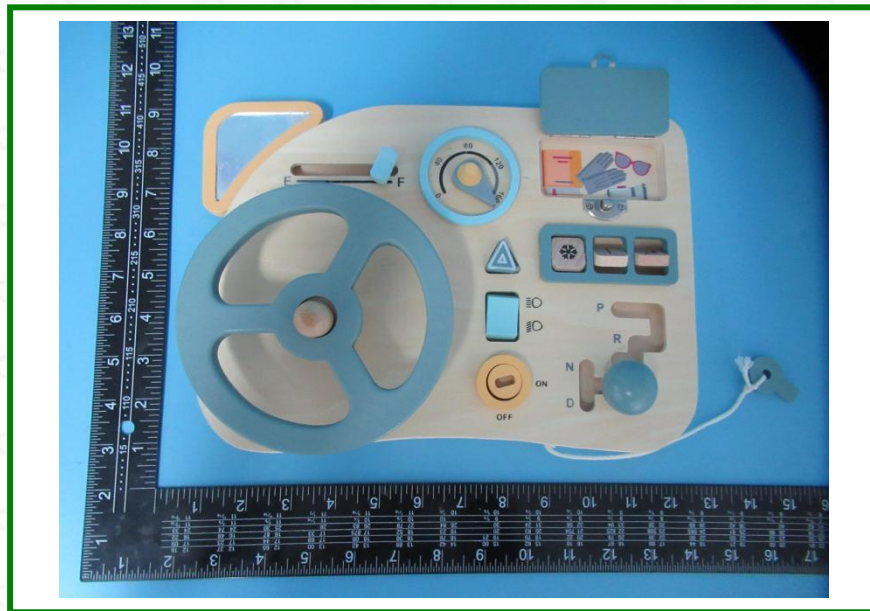
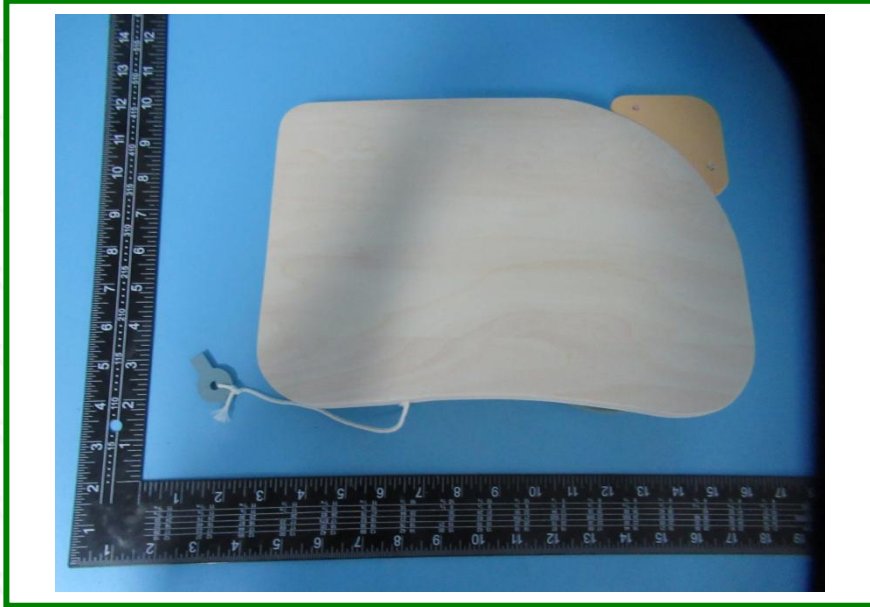


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