

GWSTC Test Report

Date: 2016-12-21

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NO: GP164075

APPLICANT: (Code: JPC003)

Dongguan Jollybaby Products Co., Ltd.
Hengjiang Industrial Park, Chashan Town
Dongguan 523398, China

Attn: Mr. Ye

DESCRIPTION OF SAMPLE(S):

Five (5) styles, eighteen (18) pieces of submitted sample (photo attached at Appendix A) said to be:

WLTH8094S	SOFT VIBRATE MONKEY	SOZZY拉振猴子
WLTH8095S	SOFT VIBRATE LION	SOZZY拉振狮子
WLTH8096S	SOFT VIBRATE DONKEY	SOZZY拉振驴
WLTH8097S	SOFT VIBRATE ELEPHANT	SOZZY拉振象
WLTH8098S	SOFT VIBRATE DEER	SOZZY拉振鹿

COUNTRY OF ORIGIN: CHINA

DATE OF SAMPLE(S) RECEIVED:

2016-12-12, 2016-12-19, 2016-12-21

CONCLUSION:

EN71:Part 1:2014

The submitted sample complied with the requirement.

EN71:Part 2:2011+A1:2014

The submitted sample complied with the requirement.

EN71:Part 3:2013+A1:2014

The submitted sample complied with the requirement.

Approved Signatory: 

Feng Jun Guo, Asst. General Manager
Chen Gui Cai, Lab. Manager

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INVESTIGATION REQUESTED:

European Standard for Safety of toys

- EN71:Part 1:2014 for mechanical and physical properties test
- EN71:Part 2:2011+A1:2014 for flammability test
- EN71:Part 3:2013+A1:2014 for migration of certain elements

DATE TESTED:

EN71

Part 1: 2016-12-16, 2016-12-21

Part 2: 2016-12-16

Part 3: 2016-12-12 to 2016-12-16

AGE GRADING:

The sample was appropriately age graded with the marking of '0m+'. The applicant also requested it be tested according to the age grade of all ages.

AGE GRADING FOR TESTING:

All ages

TEST RESULTS:

- (1) EN71:Part 1:2014 - Mechanical and physical properties

<u>Applicable</u>		
<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>General requirements</u>	----
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.10	<u>Parts moving against each other</u>	----
4.10.2	Driving mechanisms	Pass
4.20	Acoustics	Pass
5	<u>Toys intended for children under 36 months</u>	----
5.1	General requirements	Pass
5.2	Soft-filled toys and soft-filled parts of a toy	Pass
5.4	Cords, chains and electrical cables in toys	Pass
5.8	Shape and size of certain toys	Pass
7	<u>Warning, marking and instructions for use</u>	----

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Remark: Toys made available on the market shall bear the CE marking. The CE marking shall be affixed visibly, legibly and indelibly. The CE marking shall be at least 5 mm high.

There was no CE marking on the submitted sample.

The manufacturer (or importer)'s name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.

There was no the information on the submitted sample.

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.

There was no the information on the submitted sample.

Manufacturers and importers shall ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers.

There were no the instructions/safety information in the submitted sample.

(2) EN71:Part 2:2011+A1:2014 – Flammability

Applicable

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General	Pass

(3) EN71:Part 3:2013+A1:2014 - Migration of certain elements (Category III: Scraped-off materials)

Determined by: Inductively Coupled Plasma-Mass Spectrometer /
Gas Chromatograph-Mass Spectrometer/
Liquid Chromatograph-Inductively Coupled Plasma-Mass Spectrometer

Coating materials*

(a) Pattern of ribbon: yellow (see Note 1)

Note1: There was insufficient uniform coating to produce the test portion of 100mg. According to the Standard, the quantities of the elements were calculated as if 100mg of test portion had been used. The actual weight of the yellow coating used for analysis was 11mg.

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* = The following coating materials were insufficient to form testing materials of 10mg.
In accordance with the Standard, they were not tested.

Dots of ribbon: white
Pattern of ribbon: deep green, grey, light blue, peach

Polymeric materials

- (b) Ring: red
- (c) Ring: yellow
- (d) Ring: white
- (e) Ring: grey
- (f) Ring: orange
- (g) Ring: deep blue
- (h) Ring: blue
- (i) Ring: peach
- (j) Ring: light green
- (k) Ring: light red
- (l) Buckle: dull blue
- (m) Buckle: dull violet
- (n) Buckle: dull green
- (o) Buckle: dull red
- (p) Buckle: dull orange

Textile materials

- (q) Mane of lion: deep red
- (r) Face of lion: deep yellow
- (s) Lion body/deer body: yellow stripes short flannelette
- (t) Sewn-in label: bright white with red/black printing
- (u) Nose of lion/mouth of deer: orange soft boa
- (v) Nose of lion: brown soft boa (see Note 2)
- (w) Mouth of lion: white soft boa
- (x) Ribbon: orange
- (y) Ribbon: peach
- (z) Ribbon: green
- (aa) Belt of lion/monkey/donkey: white with red/green/multicolor stripes printing
- (ab) Thread: bright white
- (ac) Thread: bright brown
- (ad) Thread: bright yellow
- (ae) Leg: blue ribbon
- (af) Leg: yellow ribbon
- (ag) Leg: light green ribbon
- (ah) Leg: deep green ribbon

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Textile materials

- (ai) Leg: red ribbon
- (aj) Feet/hand: white with red/yellow/multicolor pattern printing
- (ak) Feet: white with orange/light yellow/multicolor pattern printing
- (al) Feet: white with coffee/orange/multicolor pattern printing
- (am) Feet: white with blue/green/deep green pattern printing
- (an) Feet: white with black checkers printing
- (ao) Feet: white with black stripes printing
- (ap) Feet: white with black dots printing
- (aq) Monkey body: deep yellow stripes short flannelette
- (ar) Face of monkey: flesh soft boa
- (as) Head of monkey: light coffee soft boa
- (at) Thread: bright red (see Note 2)
- (au) Thread: bright black
- (av) Hand of monkey: white with green/blue/multicolor rings printing
- (aw) Hand of monkey/ears of elephant/feet of donkey/feet of deer: white with light green/deep green/multicolor pattern printing
- (ax) Hand of monkey: white with light blue/green/multicolor rings printing
- (ay) Feet: white with dull blue/blue/multicolor rings printing
- (az) Head of deer: yellow soft boa
- (ba) Belt of deer: white with purple/blue/multicolor stripes printing
- (bb) Horn of deer/mouth of donkey: red soft boa
- (bc) Elephant body: light blue stripes short flannelette
- (bd) Head of elephant: light blue soft boa
- (be) Ribbon: deep red
- (bf) Ribbon: lemon yellow
- (bg) Leg: violet ribbon
- (bh) Belt of elephant: white with light blue/dull blue/deep blue rings printing
- (bi) Feet of elephant: white with pink/purple/yellow pattern printing
- (bj) Feet of elephant: white with deep blue printing
- (bk) Ears of donkey: white with light red/light green/multicolor stripes printing
- (bl) Ears of donkey: white with purple/yellow/multicolor checkers printing
- (bm) Ears of donkey: blue soft boa
- (bn) Ribbon: sky blue
- (bo) Donkey body: white with black stripes printing
- (bp) Thread: bright light blue (see Note 2)
- (bq) Eyes of donkey: snow white (see Note 2)

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Note 2: There were insufficient textile materials to produce the test portion of 100mg. According to the Standard, the quantities of the elements were calculated as if 100mg of test portion had been used. The actual weights of the specified textile materials used for analysis are shown below:

(v) Brown soft boa 96mg
 (at) Bright red 30mg
 (bp) Bright light blue 55mg
 (bq) Snow white 35mg

Elements	Result(mg/kg)	Limit(mg/kg)
	(a)-(bq)	
Soluble cadmium	ND	17
Soluble arsenic	ND	47
Soluble mercury	ND	94
Soluble antimony	ND	560
Soluble boron	ND	15000
Soluble lead	ND	160
Soluble cobalt	ND	130
Soluble selenium	ND	460
Soluble manganese	ND	15000
Soluble nickel	ND	930
Soluble strontium	ND	56000
Soluble copper	ND	7700
Soluble aluminium	ND	70000
Soluble barium	ND	18750
Soluble zinc	ND	46000
Soluble tin	ND	180000
Soluble organic tin	ND	12
Soluble chromium (III)	ND	460
Soluble chromium (VI)	ND	0.2

Remark:

1. ND = Not detected(see Table 1)
mg/kg = milligram per kilogram
2. The organic tin cations that were tested in this report include MeT, BuT, DBT, TBT, TeBT, MOT, DOT, DProT, DPHT, TPHT according to EN71:Part 3:2013+A1:2014.

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Table 1: Detection limits of each elements

Elements	Detection limits(mg/kg)
Soluble cadmium	2
Soluble arsenic	5
Soluble mercury	5
Soluble antimony	10
Soluble boron.	10
Soluble lead	10
Soluble cobalt	10
Soluble selenium	10
Soluble manganese	10
Soluble nickel	10
Soluble strontium	100
Soluble copper	100
Soluble aluminium	100
Soluble barium	100
Soluble zinc	100
Soluble tin	1.7 ^{Δ 1}
Soluble chromium	0.18
Soluble chromium (III)	10
Soluble chromium (VI)	0.18 ^{Δ 2}
	0.02 ^{Δ 3}

^{Δ 1}= The tin content is used to satisfy organic tin on ICP-MS. When the result of total soluble tin content under the screening limit 1.7mg/kg, it means the sample satisfy the standard limit 12mg/kg for organic tin. Whenever the result of tin content exceed the screening limit of organic tin, confirmation test will be performed by GC-MSD.

^{Δ 2}= The Chromium content is used to satisfy Chromium(III) and Chromium(VI) on ICP-MS. Whenever the result of Chromium content exceed the screening limit of Chromium(VI),confirmation test will be performed. The screening limit for Chromium(VI) is 0.18 mg/kg (total soluble Chromium).

^{Δ 3}= When the result of Chromium content exceed the screening limit 0.18mg/kg, the content of Chromium(VI) will be tested by LC-ICP-MS, and the Detection limit of Chromium(VI) is 0.02 mg/kg.

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Appendix A



PHOTOGRAPH(S) OF THE SAMPLE

***** End of Document *****

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