

# GWSTC Test Report

Date: 2016-12-21

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NO: GP164069

**APPLICANT:** (Code: JPC003)

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

Attn: Mr. Ye

**DESCRIPTION OF SAMPLE(S):**

Seven (7) styles, sixteen (16) pieces of submitted sample (photo attached at Appendix A) said to be:

WLTH8099S	ELEPHANT BANDANA BUDDIES	SOZZY 安抚象
WLTH8100S	DOG BANDANA BUDDIES	SOZZY 安抚狗
WLTH8101S	DONKEY BANDANA BUDDIES	SOZZY 安抚驴
WLTH8102S	LION BANDANA BUDDIES	SOZZY 安抚狮
WLTH8103S	MONKEY BANDANA BUDDIES	SOZZY 安抚猴
WLTH8104S	OWL BANDANA BUDDIES	SOZZY 安抚猫头鹰
WLTH8121S	PALM CIVET BANDANA BUDDIES	SOZZY 安抚狐狸

COUNTRY OF ORIGIN: CHINA

**DATE OF SAMPLE(S) RECEIVED:**

2016-12-12, 2016-12-19

**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:

  
Roger Liu Xin Xiang  
Senior Engineer

  
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: 2016-12-14, 2016-12-20

Part 2: 2016-12-14

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

## AGE GRADING:

The sample was age graded with the marking of '3m+'. However, the applicant requested it be tested according to the age grade of under 36 months.

## AGE GRADING FOR TESTING:

Under 36 months

## TEST RESULTS:

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

Applicable

<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
4.20	Acoustics	Pass
4.22	Small balls	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
5.10	Small balls	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.

The instructions information was found in English language with 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
4.5	Soft-filled toys	Pass

<u>Sample</u>	<u>Rate of Spread of Flame</u>
WLTH8099S	3.7mm/s
WLTH8100S	3.5mm/s
WLTH8101S	4.3mm/s
WLTH8102S	2.8mm/s
WLTH8103S	4.1mm/s
WLTH8104S	2.4mm/s
WLTH8121S	4.6mm/s

Specification: The rate of spread of flame should not be more than 30 mm/s.

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- (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)  
(b) Pattern of ribbon: peach

Note 1: 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 16mg.

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

Pattern of ribbon: white, deep green, grey, light blue, dull red

### Polymeric materials

- (c) Ring: yellow  
(d) Star: red  
(e) Bib/teether: soft yellow  
(f) Bib: soft orange  
(g) Bib/teether: soft red  
(h) Bib/teether: soft light blue  
(i) Bib: soft blue  
(j) Bib: soft light green  
(k) Ring: bright transparent  
(l) Ring: light blue  
(m) Ring: deep blue  
(n) Ring: orange  
(o) Star/ring: violet  
(p) Star: light green  
(q) Buckle: dull blue  
(r) Buckle: dull green  
(s) Buckle: dull orange  
(t) Teether: soft light yellow  
(u) Mirror: transparent  
(v) Teether: soft green

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### Textile materials

- (w) Ribbon: orange
- (x) Ribbon: peach
- (y) Ribbon: green
- (z) Ribbon: pink
- (aa) Ribbon: blue
- (ab) Monkey/owl/dog/lion: coffee soft boa
- (ac) Face of monkey: beige soft boa
- (ad) Monkey body: coffee stripes short flannelette
- (ae) Hand: deep yellow
- (af) Hand: deep pink
- (ag) Ears of monkey/ears of owl: white with light green/deep blue/multicolor rings printing
- (ah) Ears of monkey/ears of owl: white with light blue/deep blue/multicolor rings printing
- (ai) Leg/hand/feet/belt: white with deep yellow/orange/light yellow pattern printing
- (aj) Leg/hand/feet: white with light green/deep green/green dots printing
- (ak) Foot of monkey: yellow soft boa
- (al) Monkey/dog/donkey/palm civet: red soft boa
- (am) Sewn-in label: white with black/red printing
- (an) Thread: bright black
- (ao) Thread: bright white
- (ap) Thread: bright red
- (aq) Thread: bright coffee
- (ar) Head of dog: flesh
- (as) Mouth of dog: light beige
- (at) Ear of dog/ears of donkey: blue soft boa
- (au) Leg of dog: blue
- (av) Leg of dog: orange
- (aw) Dog body: light coffee stripes short flannelette
- (ax) Ear of dog/feet of dog/leg of lion: bright white with deep blue/blue/multicolor dots printing
- (ay) Ear of dog/feet of dog/donkey body: bright white with deep red/red/multicolor pattern printing
- (az) Feet of dog/feet of elephant: green with dotted embossing
- (ba) Feet of dog/ear of donkey: white with violet/orange/multicolor checkers printing
- (bb) Belt: yellow
- (bc) Thread: bright blue
- (bd) Thread: bright beige
- (be) Thread: bright pink
- (bf) Donkey body: milk white with black stripes printing
- (bg) Ear of donkey: white with red/yellow/multicolor stripes printing

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### Textile materials

- (bh) Leg of donkey: violet ribbon
- (bi) Leg of donkey: purple ribbon
- (bj) Leg of donkey/mouth of owl: yellow ribbon
- (bk) Leg of donkey: red ribbon
- (bl) Feet of donkey: white with coffee/orange/yellow pattern printing
- (bm) Donkey: white with black stripes printing
- (bn) Thread: bright light blue (see Note 2)
- (bo) Thread: bright yellow
- (bp) Head of elephant: green stripes short flannelette
- (bq) Ribbon: light blue
- (br) Nose of elephant: deep red ribbon (see Note 2)
- (bs) Nose of elephant: sky blue ribbon (see Note 2)
- (bt) Ear of elephant: beige with green/red/multicolor letters printing
- (bu) Body of elephant: violet stripes short flannelette
- (bv) Belly of elephant: white/deep green/green knitting fabric
- (bw) Leg of elephant: white/pink/violet knitting fabric
- (bx) Foot of elephant: blue with dotted embossing
- (by) Leg of elephant/lion body: yellow stripes short flannelette
- (bz) Belt: white with violet/red/multicolor stripes printing
- (ca) Ear of elephant/mane of lion: dull red
- (cb) Head of lion: deep yellow
- (cc) Nose of lion/ears of lion: orange soft boa
- (cd) Feet of lion: white with black dots printing
- (ce) Donkey/lion/palm civet: white soft boa
- (cf) Ear of palm civet/hand of palm civet: white with orange/yellow/deep orange dots printing
- (cg) Ear of palm civet/hand of palm civet: white with green/light green/blue pattern printing
- (ch) Face of palm civet: white soft boa with pink printing (see Note 2)
- (ci) Eyes of palm civet/eyes of owl: black
- (cj) Palm civet body: white with violet/light violet/red pattern printing
- (ck) Palm civet body: red stripes short flannelette
- (cl) Tail of palm civet: dull yellow
- (cm) Owl body: pink purple stripes short flannelette
- (cn) Eyes of owl: dull blue
- (co) Feet of owl: dull deep orange

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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:

(bn) Bright light blue.....89mg  
 (br) Deep red ribbon..... 74mg  
 (bs) Sky blue ribbon.....74mg  
 (ch) White soft boa with pink printing ....67mg

Elements	Result(mg/kg)	Limit(mg/kg)
	(a)-(co)	
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 <sup>Δ 1</sup>
Soluble chromium	0.18
Soluble chromium (III)	10
Soluble chromium (VI)	0.18 <sup>Δ 2</sup>
	0.02 <sup>Δ 3</sup>

<sup>Δ 1</sup>= 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.

<sup>Δ 2</sup>= 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).

<sup>Δ 3</sup>= 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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