

GWSTC Test Report

Date: 2020-03-26

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NO: GP170680

APPLICANT: (Code: DQE001)

Dongguan Beidi Trading Co., Ltd.
2/F, No. 6, Lane 2, Rainbow West Road
Shuinan Village, Shijie Town
Dongguan City, Guangdong
China

DESCRIPTION OF SAMPLE(S):

Four (4) styles, eight (8) pieces of submitted sample (photo attached at Appendix A) said to be:

QB006A	DOLERY dinosaur TAIL CLOTH BOOK
QB006B	DOLERY ocean TAIL CLOTH BOOK
QB006C	DOLERY farm TAIL CLOTH BOOK
QB006D	DOLERY JUNGLE TAIL CLOTH BOOK

INVESTIGATION REQUESTED:

- European Standard for Safety of toys
- EN71:Part 1:2014+A1:2018 for mechanical and physical properties test
 - EN71:Part 2:2011+A1:2014 for flammability test
 - EN71:Part 3:2019(E) for migration of certain elements

CONCLUSION:

EN71:Part 1:2014+A1:2018
The submitted sample complied with the requirement.

EN71:Part 2:2011+A1:2014
The submitted sample complied with the requirement.

EN71:Part 3:2019(E)
The submitted sample complied with the requirement.

Approved Signatory:



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



Guangzhou Worldwide Standards and Testing Company Limited

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DATE OF SAMPLE(S) RECEIVED:

2020-03-20

DATE TESTED:

EN71

Part 1 & 2: 2020-03-20 to 2020-03-25

Part 3: 2020-03-20 to 2020-03-25

AGE GRADING:

The sample did not contain an age grade; however, the applicant 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+A1:2018 - Mechanical and physical properties

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>General requirements</u>	----
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	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
7	<u>Warning, marking and instructions for use</u>	----

Markings and instructions for use:

<u>Item</u>	<u>Observation Result</u>
CE marking	Present
The manufacturer's or importer's name, registered trade name or registered trade mark and the address	Absent
Product ID	Absent
Cleaning and washing instruction	Present
Instructions and safety information	NA

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- Remark:
1. 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.
 2. The manufacturer's 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.
 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. 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 manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
 5. Manufacturers and importers shall ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers, as determined by the Member State concerned.
 6. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

(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 3:2019(E) - 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

Plastic materials

- (a) Dots of tail: green
- (b) Velcro: white
- (c) Dots of tail: orange

Textile materials

- (d) Book: white T/C with multicolor printing
- (e) Tail of book: bright pink with silver dots
- (f) Tail of book: short plush yellow
- (g) Tail of book: short plush blue

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Textile materials

- (h) Velcro loop: white
- (i) Tail of book: orange
- (j) Tail of book: white with gold dots
- (k) Belt: red
- (l) Belt: blue
- (m) Tail of book: short plush red
- (n) Tail of book: pink with gold stripes
- (o) Tail of book: green
- (p) Tail of book: blue with bright blue stripes
- (q) Sewn-in label: white with multicolor printing
- (r) Tail of book: black soft boa
- (s) Duck of book: gold
- (t) Tail of mouse: pink string
- (u) Tail of cow: light blue soft boa
- (v) Tail of book: white soft book with multicolor printing
- (w) Tail of book: brown string
- (x) Cow of book: bright blue
- (y) Tail of bird: bright white with multicolor printing
- (z) Tail of elephant: light blue soft boa
- (aa) Tail of elephant: grey string
- (ab) Tail of snake: yellow with green dots

Elements	Result(mg/kg)	Limit(mg/kg)
	(a)~(ab)	
Soluble cadmium	ND	17
Soluble arsenic	ND	47
Soluble mercury	ND	94
Soluble antimony	ND	560
Soluble boron	ND	15000
Soluble lead	ND	23
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	0.053

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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, DMT according to EN71:Part 3:2019(E).

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 ^{△1}
Soluble chromium	0.04
Soluble chromium (III)	10
Soluble chromium (VI)	0.04 ^{△2}
	0.02 ^{△3}

^{△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.

^{△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 0.04 mg/kg (total soluble Chromium).

^{△3}== When the result of Chromium content exceed the screening limit 0.04mg/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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