

GWSTC Test Report

Date: 2019-01-21

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NO: GP168273

APPLICANT: (Code: JAT001)

GUANGDONG HUANGER BABY PRODUCTS CO., LTD.
Jinshengfeng Building, Laimei Road, Gangkou Town
Fengxiang Street, Chenghai, Shantou
Guangdong, China

DESCRIPTION OF SAMPLE(S):

One (1) style, two (2) sets of submitted sample (photo attached at Appendix A) said to be:
BABY TOYS
(FOR DETAILS OF SAMPLE DESCRIPTION, SEE PAGE 2)

DATE OF SAMPLE(S) RECEIVED:

2019-01-11, 2019-01-18

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 3:2013+A3:2018 for migration of certain elements (Testing on selected materials only)

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 3:2013+A3:2018

The selected materials complied with the requirement.

Approved Signatory:



Roger Liu Xin Xiang
Senior Engineer

Chen Gui Cai
Lab. Manager

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DESCRIPTION OF SAMPLE(S):

ITEM NO.: HE0201, HE0202, HE0203, HE0204, HE0205, HE0206, HE0207, HE0208, HE0209, HE0210, HE0211, HE0212, HE0213, HE0214, HE0215, HE0216, HE0217, HE0218, HE0219, HE0220, HE0221, HE0222, HE0223, HE0224, HE0225, HE0226, HE0227, HE0228, HE0229, HE0230, HE0231, HE0232, HE0233, HE0234, HE0235, HE0236, HE0237, HE0238, HE0239, HE0240, HE0241, HE0242, HE0243, HE0244, HE0245, HE0246, HE0247, HE0248, HE0249, HE0250, HE0251, HE0252, HE0253, HE0254, HE0255, HE0256, HE0257, HE0258, HE0259, HE0260, HE0261, HE0262, HE0263, HE0264, HE0265, HE0266, HE0267, HE0268, HE0269, HE0270, HE0271, HE0272, HE0273, HE0274, HE0275, HE0276, HE0277, HE0278, HE0279, HE0280, HE0281, HE0282, HE0283, HE0284, HE0285, HE0286, HE0287, HE0288, HE0289, HE0290, HE0291, HE0292, HE0293, HE0294, HE0295, HE0296, HE0297, HE0298, HE0299, 777-25, 666-9, 777-32J, 777-32Y, HE8010, HE8011, HE8019, MX007, MX008, MX009, MX010

DATE TESTED:

EN71

Part 1 & 2: 2019-01-11 to 2019-01-15, 2019-01-18

Part 3: 2019-01-11 to 2019-01-15

AGE GRADING:

The sample did not contain an age grade; however, the applicant requested it be tested according to the age grade of 12 months and up.

AGE GRADING FOR TESTING:

12 months and up

TEST RESULTS:

- (1) EN71:Part 1:2014+A1:2018 - Mechanical and physical properties

Applicable

<u>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
4.9	Protruding parts	Pass
4.20	Acoustics	Pass
5	<u>Toys intended for children under 36 months</u>	----
5.1	General requirements	Pass
5.4	Cords, chains and electrical cables in toys	Pass*

*= The test is not covered by the CNAS accreditation.

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<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
5.10	Small balls	Pass
5.12	Hemispheric-shaped toys	Pass
5.13	Suction cups	Pass
7	<u>Warning, marking and instructions for use</u>	----

Markings and instructions for use:

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

- 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

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

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- (3) EN71:Part 3:2013+A3:2018 - 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 material

- (a) Multicolor coating

Plastic materials

- (b) Rose plastic
(c) Yellow plastic
(d) Blue plastic
(e) Green plastic
(f) Orange plastic
(g) Sky blue plastic
(h) Pink plastic
(i) White plastic
(j) Transparent plastic
(k) Project green plastic
(l) Purple plastic
(m) Powder blue plastic
(n) Red plastic
(o) Coffee plastic
(o) Soft orange plastic
(q) Soft yellow plastic
(r) Soft pink plastic
(s) Soft sky blue plastic
(t) Soft light purple plastic
(u) Soft beige plastic
(v) Soft beige grey plastic
(w) Soft purple plastic
(x) Soft red plastic
(y) Soft project green plastic

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Elements	Result(mg/kg)	Limit(mg/kg)
	(a)~(y)	
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	0.2

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+A3:2018.

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

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Elements	Detection limits(mg/kg)
Soluble strontium	100
Soluble copper	100
Soluble aluminium	100
Soluble barium	100
Soluble zinc	100
Soluble tin	1.7 ^{△1}
Soluble chromium	0.18
Soluble chromium (III)	10
Soluble chromium (VI)	0.18 ^{△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 0.18 mg/kg (total soluble Chromium).

^{△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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