

GWSTC Test Report

Date: 2018-04-28

Page 1 of 7

NO: GP166307

APPLICANT: (Code: JAT001)

KAIZHI TOYS FACTORY
CHENGHAI DISTRICT, SHANTOU CITY
GUANGDONG PROVINCE
CHINA

DESCRIPTION OF SAMPLE(S):

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

DATE OF SAMPLE(S) RECEIVED:

2018-04-23, 2018-04-27

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+A2:2017 for migration of certain elements (Test on selected materials only)

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+A2:2017
The selected materials complied with the requirement.

Approved Signatory:



Roger Liu Xin Xiang
Senior Engineer

Chen Gui Cai
Lab. Manager

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)
Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

GWSTC Test Report

Date: 2018-04-28

Page 2 of 7

NO: GP166307

DESCRIPTION OF SAMPLE(S):

ITEM NO.: KZ-6206, KZ-6207, KZ-6208, KZ-6209, KZ-6210, KZ-6211, KZ-6212, KZ-6213, KZ-6214, KZ-6215, KZ-6216, KZ-6217, KZ-6218, KZ-6219, KZ-6220, KZ-6221, KZ-6222, KZ-6223, KZ-6224, KZ-6225, KZ-6226, KZ-6227, KZ-6228, KZ-6229, KZ-6230, KZ-6231, KZ-6232, KZ-6233, KZ-6234, KZ-6235, KZ-6236, KZ-6237, KZ-6238, KZ-6239, KZ-6240, KZ-6241, KZ-6242, KZ-6243, KZ-6244, KZ-6245, KZ-6246, KZ-6247, KZ-6248, KZ-6250, KZ-6251, KZ-6252, KZ-6253, KZ-6254, KZ-6255, KZ-6256, KZ-6257, KZ-6258, KZ-6259, KZ-6260, KZ-6261, KZ-6262, KZ-6263, KZ-6264, KZ-6265, KZ-6266, KZ-6267, KZ-6268, KZ-6269, KZ-6270, KZ-6271, KZ-6272, KZ-6273, KZ-6274, KZ-6275, KZ-6276, KZ-6277, KZ-6278, KZ-6279, KZ-6280, KZ-6281, KZ-6282, KZ-6283, KZ-6284, KZ-6285, KZ-6286, KZ-6287, KZ-6288, KZ-6289, KZ-6290, KZ-6291, KZ-6292, KZ-6293, KZ-6294, KZ-6295, KZ-6296, KZ-6297, KZ-6298, KZ-6299, KZ-6300, KZ-6301, KZ-6302, KZ-6303, KZ-6304, KZ-6305, KZ-6306, KZ-6307, KZ-6308, KZ-6309, KZ-6310, KZ-6311, KZ-6312, KZ-6313, KZ-6314, KZ-6315, KZ-6316, KZ-6317, KZ-6318, KZ-6319, KZ-6320, KZ-6321, KZ-6322, KZ-6323, KZ-6324, KZ-6325, KZ-6326, KZ-6327, KZ-6328, KZ-6329, KZ-6330, KZ-6331, KZ-6332, KZ-6333, KZ-6334, KZ-6335, KZ-6336, KZ-6337, KZ-6338, KZ-6339, KZ-6340, KZ-6341, KZ-6342, KZ-6343, KZ-6344, KZ-6345, KZ-6346, KZ-6347, KZ-6348, KZ-6349, KZ-6350, KZ-6351, KZ-6352, KZ-6353, KZ-6354, KZ-6355, KZ-6356, KZ-6357, KZ-6358, KZ-6359, KZ-6360, KZ-6361, KZ-6362, KZ-6363, KZ-6364, KZ-6365, KZ-6366, KZ-6367, KZ-6368, KZ-6369, KZ-6370, KZ-6371, KZ-6372, KZ-6373, KZ-6374, KZ-6375, KZ-6376, KZ-6377, KZ-6378, KZ-6379, KZ-6380, KZ-6381, KZ-6382, KZ-6383, KZ-6384, KZ-6385, KZ-6386, KZ-6387, KZ-6388, KZ-6389, KZ-6390, KZ-6391, KZ-6392, KZ-6393, KZ-6394, KZ-6395, KZ-6396, KZ-6397, KZ-6398, KZ-6399, KZ-6400, KZ-6401, KZ-6402, KZ-6403, KZ-6404, KZ-6405, KZ-6406

DATE TESTED:

EN71

Part 1 & 2: 2018-04-23 to 2018-04-26, 2018-04-27

Part 3: 2018-04-23 to 2018-04-27

AGE GRADING:

The sample was appropriately age graded with the marking of 'Not for Children under 3 years'. The applicant also requested it be tested according to the age grade of 3 years and up.

AGE GRADING FOR TESTING:

3 years and up

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)

Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

GWSTC Test Report

Date: 2018-04-28

Page 3 of 7

NO: GP166307

TEST RESULTS:

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

<u>Applicable 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
4.9	Protruding parts	Pass
4.20	Acoustics	Pass
7	<u>Warning, marking and instructions for use</u>	----
7.1	<u>General</u>	Pass
7.2	Toys not intended for children under 36 months The following warning was in English on the packaging: 'WARNING: CHOKING HAZARD - Small parts. Not for children under 3 years'.	Pass* ¹

*¹ = The standard states that warning and instructions for use should be given in the national language of the country where the toy is sold. The warning appeared on the packaging was in English.

Markings and instructions for use:

Item	Observation Result
CE marking	Present
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	Present

- 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.

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)
Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

GWSTC Test Report

Date: 2018-04-28

Page 4 of 7

NO: GP166307

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 soaked. 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 3:2013+A2:2017 - 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) Bucket: blue
- (b) Bucket: green
- (c) Bucket: red
- (d) Boat: deep blue
- (e) Tool: white

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)
Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

GWSTC Test Report

Date: 2018-04-28

Page 5 of 7

NO: GP166307

Elements	Result(mg/kg)	Limit(mg/kg)
	(a)~(e)	
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+A2:2017.

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

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanzhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)
Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

GWSTC Test Report

Date: 2018-04-28

Page 6 of 7

NO: GP166307

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.

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguanzhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)
Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

GWSTC Test Report

Date: 2018-04-28

Page 7 of 7

NO: GP166307

Appendix A



PHOTOGRAPH(S) OF THE SAMPLE

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

Guangzhou Worldwide Standards and Testing Company Limited

110, Dongguan Zhuang Road, Tianhe District, Guangzhou, China (Zip Code: 510610)
Tel: (8620) 8723 6019 Fax: (8620) 8723 7226 E-mail: gwstc@gwstc.com Homepage: www.gwstc.com

This report shall not be reproduced unless with prior written approval from Guangzhou Worldwide Standards and Testing Company Limited
For Conditions of Issuance of this test report, please refer to the overleaf or homepage.

Please refer to the original test report as this e-report is for reference only!

签发测试报告的条款

Conditions of Issuance of Test Reports

1. 广州环宇标准及检测技术有限公司（以下简称「本公司」）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人、企业或公司（以下简称「客户」）的协议。

All samples and goods are accepted by The Guangzhou Worldwide Standards and Testing Co. Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The Company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").

2. 由此测试申请所发出的任何报告（以下简称「报告」），本公司会严格地为客户保密。未经本公司书面同意，报告的整体或部分不得复制，也不得用于广告或非授权的其它用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其它人出示或提交。除非相关政府部门、法律或法院要求，否则未经客户同意，本公司不得就报告内容向任何第三方讨论或披露。

Any report issued by the Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to his customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. 除非相关政府部门、法律或法院要求，否则未经本公司预先书面同意，本公司毋须，也无义务到法院对有关报告作证。

The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. 除非由本公司进行抽样，并已在报告中说明，否则报告只适用于送测的样品，不适用于批量。

The Report refers only to the sample tested and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.

5. 如本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。

In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. 本公司接受样板进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。

Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。

The Company will not be liable for or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。

Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. 该测试报告的支持数据和信息本公司只保存3年。个别评审机构有特别地要求的，检测数据和报告的保存期限可依情况变动。一旦超过上述提及的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告可能会发生相关损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何因违反约定、违反承诺、侵权（包括疏忽）、产品责任或其它原因产生的惩罚性损害。

Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of three years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

10. 报告的签发记录可通过登陆网站www.gwstc.com查询。如需进一步查询报告的有效性或核实报告，需与本公司联系。

Issuance records of the Report are available on the internet at www.gwstc.com. Further enquiry of validity or verification of the Reports should be addressed to the Company.