

# Test Report

Report No.: A001R20170626065-1

Date: Jun.30, 2017

Page: 1 of 9

Applicant: YUEQI TOYS FACTORY

Address: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

## Report on the submitted sample(s) said to be:

Sample Name : Toy series  
Item No. : Please refer to next page(s).  
Labeled Age Grading : Not stated  
Requested Age Grading : 3+  
Age Group Applied in Testing : 3+  
Sample Receiving Date : Jun.26, 2017  
Testing Period : Jun.26, 2017 to Jun.30, 2017

Test Requested : Please refer to next page(s).

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Reviewed by: Jessie.Liang

Liangdan, Jessie.Liang

Technical Supervisor

Approved by: Jay.Liu / Liulinwen, Lewis

Liujinliang, Jay.Liu / Liulinwen, Lewis

Laboratory Supervisor / Technical Director



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4777-01	4777-41	4777-81	4777-121	4777-161	4777-01B
4777-02	4777-42	4777-82	4777-122	4777-162	4777-02B
4777-03	4777-43	4777-83	4777-123	4777-163	4777-03B
4777-04	4777-44	4777-84	4777-124	4777-164	4777-04B
4777-05	4777-45	4777-85	4777-125	4777-165	4777-05B
4777-06	4777-46	4777-86	4777-126	4777-166	4777-06B
4777-07	4777-47	4777-87	4777-127	4777-167	4777-07B
4777-08	4777-48	4777-88	4777-128	4777-168	4777-08B
4777-09	4777-49	4777-89	4777-129	4777-169	4777-09B
4777-10	4777-50	4777-90	4777-130	4777-170	4777-10B
4777-11	4777-51	4777-91	4777-131	4777-171	4777-11B
4777-12	4777-52	4777-92	4777-132	4777-172	4777-12B
4777-13	4777-53	4777-93	4777-133	4777-173	4777-13B
4777-14	4777-54	4777-94	4777-134	4777-174	4777-14B
4777-15	4777-55	4777-95	4777-135	4777-175	4777-15B
4777-16	4777-56	4777-96	4777-136	4777-176	4777-16B
4777-17	4777-57	4777-97	4777-137	4777-177	4777-17B
4777-18	4777-58	4777-98	4777-138	4777-178	4777-18B
4777-19	4777-59	4777-99	4777-139	4777-179	4777-19B
Item No. :	4777-20	4777-100	4777-140	4777-180	4777-20B
	4777-21	4777-101	4777-141	4777-181	4777-01D
	4777-22	4777-102	4777-142	4777-182	4777-02D
	4777-23	4777-103	4777-143	4777-183	4777-03D
	4777-24	4777-104	4777-144	4777-184	4777-04D
	4777-25	4777-105	4777-145	4777-185	4777-05D
	4777-26	4777-106	4777-146	4777-186	4777-06D
	4777-27	4777-107	4777-147	4777-187	4777-07D
	4777-28	4777-108	4777-148	4777-188	4777-08D
	4777-29	4777-109	4777-149	4777-189	4777-09D
	4777-30	4777-110	4777-150	4777-190	4777-10D
	4777-31	4777-111	4777-151	4777-191	4777-11D
	4777-32	4777-112	4777-152	4777-192	4777-12D
	4777-33	4777-113	4777-153	4777-193	4777-13D
	4777-34	4777-114	4777-154	4777-194	4777-14D
	4777-35	4777-115	4777-155	4777-195	4777-15D
	4777-36	4777-116	4777-156	4777-196	4777-16D
	4777-37	4777-117	4777-157	4777-197	4777-17D
	4777-38	4777-118	4777-158	4777-198	4777-18D
	4777-39	4777-119	4777-159	4777-199	4777-19D
	4777-40	4777-120	4777-160	4777-200	4777-20D

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**No.17 C**

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## Test Requested:

(1) For compliance with the European Standard on Safety of Toys:

EN71-1: 2014 – Mechanical and Physical Properties (Except 7.1 & 7.2)

EN71-2:2011+A1:2014 – Flammability of Toys

EN71-3:2013+A1:2014 – Migration of Certain Elements

(2) Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark

(name, address), product identification) according to the Directive 2009/48/EC-Safety of toys

## Conclusion

Pass

Pass

Pass

See the result

pages

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## No.17 C

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**Test Results:**

**(1)-1:EN71 Part 1: 2014 - Mechanical and Physical Properties**

Clause	Description	Result
4	General Requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.20	Acoustics	Pass*
7	Warnings, markings and instructions for use	
7.1	General	#
7.2	Toys not intended for children under 36 months	#

Note: #= As per client's request, clause 7.1 & 7.2 were not assessed.

\* = The C-weighted peak emission sound pressure be level and the A-weighted time averaged emission sound pressure level were not greater than 110dBC and 80dBA respectively (Category1).

As specified by client, the packaging photo(s) were not shown in this report.

**(1)-2:EN71 Part 2:2011+A1:2014 - Flammability of Toys**

Clause	Description	Result
4	Requirements	
4.1	General Requirements	Pass

**NB:** Only applicable clauses were shown.

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**(1)-3 EN 71-3:2013+A1:2014 - Migration of Certain Elements.**
**Category III: Scrapped - off toy material**
**Test method:** With reference to EN71-3:2013+A1:2014, Analysis was performed by ICP-OES, GC-MS, ICP-MS and UV.

**Test Result(s):**

Unit: mg/kg

Test Item(s)	Result(s)										Report Limit	Limit
	1	2	3	4	5	6	7	8	9	10		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	See Remark
Antimony (Sb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) <sup>#</sup> (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) <sup>#</sup> (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3.0	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/	

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- Note:**
1. N.D.= Not Detected (lower than Report limit)
  2. Report limit = Results below this value will be stated as N.D.
  3. M = Migration
  4. \* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.
  5. # = The test items are not accredited by CNAS.
  6. As specified by client, only test the designated sample.

- Permissible Limit for Different Materials

Item	Category III In scraped-off toy material	Category II In liquid or sticky toy material	Category I In dry, brittle, powder-like or pliable toy material
Aluminium (Al) (M)	70000	1406	5625
Antimony (Sb) (M)	560	11.3	45
Arsenic (As) (M)	47	0.9	3.8
Barium (Ba) (M)	18750	375	1500
Boron (B) (M)	15000	300	1200
Cadmium (Cd) (M)	17	0.3	1.3
Chromium III(Cr(III)) (M)	460	9.4	37.5
Chromium VI (Cr(VI)) (M)	0.2	0.005	0.02
Cobalt (Co) (M)	130	2.6	10.5
Copper (Cu) (M)	7700	156	622.5
Lead (Pb) (M)	160	3.4	13.5
Manganese (Mn) (M)	15000	300	1200
Mercury (Hg) (M)	94	1.9	7.5
Nickel (Ni) (M)	930	18.8	75
Selenium (Se) (M)	460	9.4	37.5
Strontium (Sr) (M)	56000	1125	4500
Tin (Sn) (M)	180000	3750	15000
Organic Tin (M)	12	0.2	0.9
Zinc (Zn) (M)	46000	938	3750

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**(2) Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys**

Summary table:

	On product	On packaging
Washing/Cleaning instruction	/	/
CE mark	Absent	Absent
Name & Address	Absent	Absent
Product ID	Absent	Absent

**Remark:**

- 1: Washing/Cleaning label According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: 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 toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
- 2: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.
- 3: The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.
- 4: Manufacturers must 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

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## No.17 C

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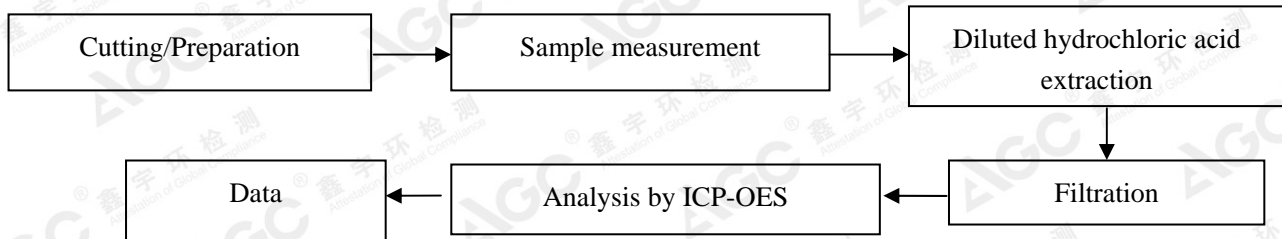
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## Sample Description

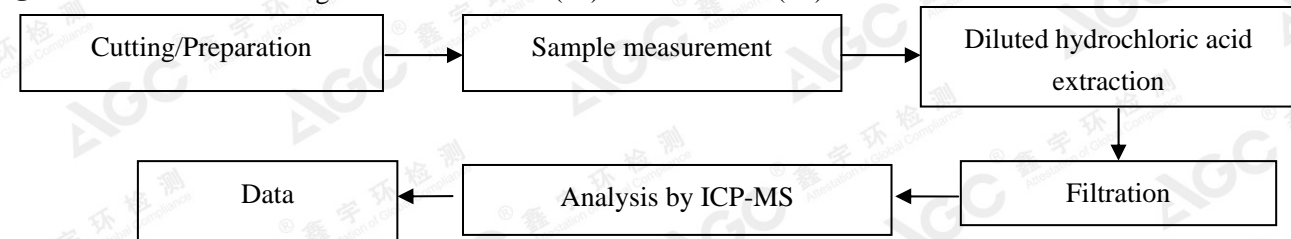
1	White transparent plastic
2	White plastic
3	Pink plastic
4	White soft plastic
5	Blue plastic
6	Purple plastic
7	Red plastic
8	Sky blue plastic
9	Rose red plastic
10	Fleshcolor soft plastic

## Test Flow Chart

- ① Test Flow Chart for Migration of 17 Heavy Metals-Lead, Cadmium, Chromium, Mercury, Antimony, Barium, Arsenic, Selenium, Aluminum, Boron, Cobalt, Copper, Manganese, Nickel, Strontium, Zinc and Tin:



- ② Test Flow Chart for Migration of Chromium(III) and Chromium(VI):



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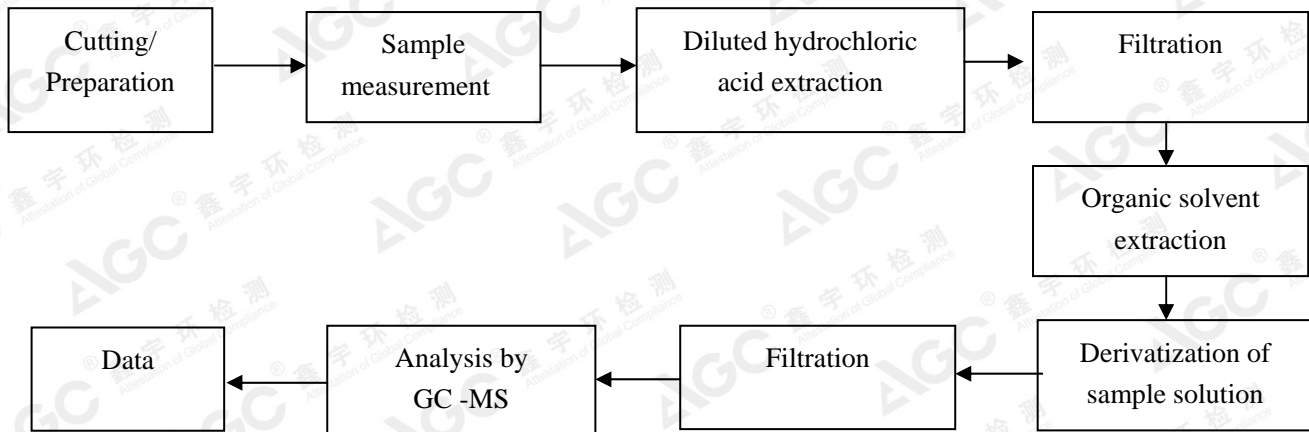
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③ Test Flow Chart for Migration of Organic Tin Compounds:



## The photo of the sample



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AGC authenticate the photo on original report only

\*\*\* End of Report\*\*\*

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