

Test Report

Number: GZHH00278263

Applicant: TANG LE (QI LE YU) TOYS FACTORY
FENGXIANG STREET, CHENGHAI
DISTRICT, SHANTOU CITY, GUANGDONG
PROVINCE, CHINA

Date: Apr 28, 2018

Sample Description:

Four (4) sets of submitted sample said to be :

Item Name : **Baby Bath Toys**
Item No. : Q0328698、Q0368103、6610、6630、8835、8855、TL935、TL936、
TL937、TL938、TL939、TL940、TL941、TL942、TL943、TL944、TL945、
TL946、TL947、TL948、TL949、TL835-1、TL836-1、TL950、TL951、
TL952、TL953、TL954、TL955、TL956、TL957、TL958、TL959、TL960、
TL961、TL962、TL963、TL964、**TL965**、TL966、**TL967**、757-1、757-2、
757-3、757-4、757-5、757-6、757-7、757-8、TL968、TL969、TL970、
TL971、TL972、TL973、TL974、TL-01、TL-02、TL-07、TL-08、TL-09、
TL-10、TL-11、TL975、AR677、AR678、AR679、AR680、AR681、AR682、
AR683、AR684、AR685、AR686、AR687、AR688、AR689、757-45、
757-46、757-47

Above sample information was submitted and/or identified by client

Labelled Age Group : "0+"
Applicant Specified Age : All Ages
Grading for Testing :
Packaging Provided by Applicant : Yes
Country of Origin : China



To be continued

Approved :

Parco Leung
Technical Supervisor



Approved :

Huang Hui Hua
Technical Support Assistant Manager



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Sample Description:



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	EN71-1:2014 for mechanical and physical properties	Pass
	EN71-2 : 2011+A1:2014 Flammability test	Pass
Tested component(s) of submitted sample sets	EN71-3:2013+A2:2017 on migration of certain elements	Pass
	EN71-3:2013+A2:2017 on migration of certain elements (excluding lead migration) & lead migration of EU 2017/738 amending 2009/48/EC(effective from Oct 28,2018)	Pass

Remark: Samples were evaluated according to EN71-1 and EN71-2 both before and after washing

Approved :



Parco Leung
Technical Supervisor



Approved :



Huang Hui Hua
Technical Support Assistant Manager



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Tests Conducted

1 Physical and Mechanical Tests

As per European Standard on Safety of toys EN71-1:2014

The submitted samples were undergone the following abuse tests:

<u>Test</u>	<u>Clause</u>	<u>Parameter</u>
Torque test	8.3	0.34 Nm
Tension test	8.4.2.1	90N
Seams and materials	8.4.2.2	70 N
Drop test	8.5	850 mm x 5 times
Impact test	8.7	1 kg
Compression test	8.8	110 N

<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	P
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	P
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	P
4.21	Toys containing non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	Toys intended for children under 36 months	
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	P



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Clause	Testing Items	Assessment
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	P
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	P
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	P
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	P
5.13	Suction cups	P
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards	NA
7.11	Toys intended to be attached to strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA

Remark: P = Pass NA = Not Applicable



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Remark: Samples were tested to EN71-1 both before and after washing. The washing method as below:
- Simulated hand wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and EN ISO 6330 (2000) + A1 (2009)
No difference in test results before and after washing.

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, 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.

- Manufacturer's name was missed.
- Manufacturer's address was missed.
- Importer's name was missed.
- Importer's address was missed.
- Product identification code was missed.
- CE marking was on the packaging.

2. Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was not found on the submitted samples.

Date sample received :Apr 17, 2018 & Apr 27, 2018

Testing period : Apr 17, 2018 to Apr 28, 2018

2 Flammability Test

As per European Standard on Safety of Toys EN71-2:2011+A1:2014

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Remark: P = Pass NA = Not Applicable

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Tests Conducted

Remark: Samples were tested to EN71-2 both before and after washing. The washing method as below:
- Simulated hand wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and EN ISO 6330 (2000) + A1 (2009)
No difference in test results before and after washing.

Date sample received :Apr 17, 2018
Testing period : Apr 17, 2018 to Apr 28, 2018

3 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A2:2017 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry
Category (III): Scraped-off toy material

Element	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component				
	(1)to(14)	(15)	(16)to(55)		
Aluminium (Al)	ND	ND	ND	300	70000
Antimony (Sb)	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND	ND	ND	0.1	0.2
Cobalt (Co)	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	10	160/23ø
Manganese (Mn)	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	10	460
Strontium (Sr)	ND	364	ND	100	56000
Tin (Sn)	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	2.0	12
Zinc (Zn)	ND	ND	ND	100	46000



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Remark : mg/kg = milligram per kilogram
++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.
- Organic tin test result was expressed as tributyl tin.
ND = Not detected
ø = The new lead migration limit [(2.0mg/kg for Category (I), 0.5mg/kg for category (II) and 23 mg/kg for Category (III)] were quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018.

Tested Component(s):

- (1) Dark purple PVC plastic (whale).
- (2) Cyan PVC plastic (square).
- (3) Dark fuchsia coating on plastic (tail of mermaid).
- (4) Dark brown PVC plastic (donkey).
- (5) Pale blue PVC plastic (hippo).
- (6) Dark yellow PVC plastic (yacht).
- (7) Red PVC plastic (ball).
- (8) Grass green PVC plastic (frog).
- (9) Yellow coating on plastic (clam).
- (10) Green soft plastic (ball).
- (11) White soft plastic (sheep).
- (12) Blue coating on plastic (bottom of yacht).
- (13) Flesh color PVC plastic (mermaid).
- (14) Dark blue PVC plastic (octopus).
- (15) Red coating on plastic (bottom of yacht).
- (16) Light blue PVC plastic (ball).
- (17) Dark yellow PVC plastic (ball).
- (18) Orange PVC plastic (crab).
- (19) Yellow PVC plastic (star).
- (20) Purple PVC plastic (pig).
- (21) Yellow woven (head of duck of bag).
- (22) Green woven (head of frog of bag).
- (23) Fluorescence green PVC plastic (square frog).
- (24) Pink ABS plastic (star).
- (25) Green plastic (bottom of whale).
- (26) Blue ABS plastic (bottom).
- (27) Fuchsia ABS plastic (bottom of vase).
- (28) White ABS plastic (top of flower).
- (29) Transparent orange plastic (fish).
- (30) Transparent yellow PE plastic (star).
- (31) Dark yellow ABS plastic (frame of net).



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Tested Component(s):

- (32) Navy ABS plastic (pedestal).
- (33) Transparent purple PE plastic (crab).
- (34) Deep orange ABS plastic (top of pedestal).
- (35) Grass green PE plastic (bottle).
- (36) Green ABS plastic (frame of net).
- (37) Green soft plastic (body of green shark).
- (38) Blue plastic (body of blue shark).
- (39) Navy plastic (body of navy shark).
- (40) Deep navy plastic (bottle).
- (41) Cyan soft plastic (dog).
- (42) red soft plastic (star).
- (43) Dark red PVC plastic (crab).
- (44) Dark grass green soft plastic (yacht).
- (45) Fluorescence yellow soft plastic (crocodile).
- (46) Deep orange soft plastic (fish).
- (47) Pale pink PVC plastic (ball).
- (48) Deep green PVC plastic (hippocampus).
- (49) Pale purple soft plastic (ball).
- (50) Deep yellow soft plastic (duck).
- (51) Pale green soft plastic (ball).
- (52) Dark purple soft plastic (body of boat).
- (53) Deep green soft plastic (tortoise).
- (54) Deep pink soft plastic (pig).
- (55) Blue coating on plastic (base of tortoise).

Remark: As requested by the applicant, toxic elements content test were conducted only components listed in this report. Other components were not tested.



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(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received: Apr 17, 2018

Testing period: Apr 17, 2018 to Apr 23, 2018

End of report

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