

Test Report

Report No. ECL01I018511

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Applicant YANGZHOU GAOTE TOYS & GIFTS CO., LTD.

Address 3F, NO.18 WEST WENCHANG ROAD YANGZHOU JIANGSU CHINA 225012

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	Plush Toy Elephant
Supplier	Yangzhou Gaote Toys & Gifts Co., Ltd.
Buyer	SOFTTOYS by Minicars AB
Quantity Of Sample	3
Country of Origin	China
Exported to	Europe
Client Specified Age Grading	10+ MONTHS
Labeled Age Grading	NOT STATED
Age Group Applied in Testing	ALL AGES
Sample Received Date	Apr. 7, 2016
Further Information Date	Apr. 12, 2016
Testing Period	Apr. 7, 2016 to Apr. 13, 2016

Test Conducted:

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

Tested by Hester Huang

Reviewed by Li Chunxian

Approved by Victor Wang

Date Apr. 13, 2016



Victor Wang
Lab Manager

No. T227297023

Centre Testing International Pinbiao(Shanghai) Co., Ltd. No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China

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Executive Summary:

TEST REQUEST

European Standard on Safety of Toys:

- EN 71-1:2014 Mechanical and Physical Properties
- EN 71-2:2011+A1:2014 Flammability of Toys
- Labeling requirement (Washing Label, CE mark, Manufacture/Importer mark and product identification)—Directive 2009/48/EC Safety of toys
- EN 71-3:2013+A1:2014 Migration of certain elements

CONCLUSION

PASS

PASS

**REFER TO
NEXT PAGES**

PASS

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EUROPEAN STANDARD ON SAFETY OF TOYS

▼ Mechanical and physical properties

As specified in European Standard on Safety of Toys EN 71-1:2014.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness.....	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
5	Toys intended for children under 36 months	
5.1	General requirements:	
5.1a	Small part requirement on toys & removable Components (Test method 8.2)	Pass
5.1b	Torque test (Test method 8.3)	Pass
	Tension test (Test method 8.4)	Pass
	Drop test (Test method 8.5)	Pass
	Impact test (Test method 8.7)	Pass
	Sharp edge (Test method 8.11)	Pass
	Sharp point (Test method 8.12)	Pass
5.2	Soft-filled toys and soft-filled parts of a toy	Pass

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▼ **Flammability of Toys**

As specified in European Standard on Safety of Toys EN 71-2:2011+A1:2014.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	General (The following materials shall not be used in the manufacture of toys except as provided in EN 71-2:2011+A1:2014 : Celluloid, materials with the same behaviour in fire as celluloid, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.)	Pass
4.5	Soft-filled toys	Pass (See Note)

Note:

Soft-filled Toys (Clause 4.5)

<u>Sample</u>	<u>Burning rate (mm/sec)</u>
Plush toy	4.1

(The rate of spread of flame on the surface of toy shall be not greater than 30 mm/sec)

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▼ Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC – Safety of toys

Summary table:

	Observation Result	Location
Washing / Cleaning instruction	Found	Affixed Label
CE mark	Found	Affixed Label
Importer's Name & Address	Found	Affixed Label
Manufacturer's Name & Address	Not Found	/
Product ID	Not Found	/

Note:

①: 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 shall, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. 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, 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 principle 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 manufacture 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: Manufacturer 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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▼ EN 71-3:2013+A1:2014 Migration of certain elements

Method(s) EN 71-3:2013+A1:2014 was/were used, and the item(s) was/were determined by ICP-OES, ICP-MS, HPLC-ICP-MS and/or GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)						MDL (mg/kg)	Limit (mg/kg)
	001	002	003	004	005	006		
Aluminium (Al)	64	N.D.	N/A	91	N.D.	N.D.	50	70000
Antimony (Sb)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	47
Barium (Ba)	79	N.D.	N/A	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	1	17
Chromium (III) ^{#1}	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	--	460
Chromium (VI)	--	--	N/A	--	--	--	0.005	0.2
Cobalt (Co)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	160
Manganese (Mn)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	5	12
Zinc (Zn)	N.D.	N.D.	N/A	N.D.	N.D.	N.D.	50	46000

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Tested Item(s)	Result (mg/kg)						MDL (mg/kg)	Limit (mg/kg)
	007	008	009	010	011	012		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	70000
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	17
Chromium (III) ^{#1}	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	--	--	--	--	--	--	0.005	0.2
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	160
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn) ^{#2}	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	180000
Organic tin (TBT) ^{#3}	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Filter paper was used instead of membrane filter in lab testing.
- Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used.
- N/A = Not Applicable, indicates the test portion(s) is/are less than 10mg, therefore such components was/were not tested for migration of certain elements, as specified in the European standard on safety of toys EN 71-3:2013+A1:2014, clause 7 – selection of test portions.
- ^{#1} Chromium (Cr) = Hexavalent chromium (Cr (VI)) + Trivalent chromium (Cr (III)), where the chromium content exceeded the limits of hexavalent chromium and/or trivalent chromium, then hexavalent chromium was analyzed by HPLC-ICP-MS and trivalent chromium content was calculated using the formula.

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- #2 Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2013+A1:2014.
- #3 The migration of organic tin is expressed as tributyltin (TBT). where the tin content exceeded the limit of organic tin, ten organic tins listed in table were determined by GC-MS and the client should be noted there are other organic tins may be present in toy materials.

Organic tins tested under EN 71-3:2013+A1:2014
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)

Note:

- Only applicable clause(s) was/were shown

Tested Sample/Part Description

- 001 White coating(clothing)
- 002 Orange coating(clothing) (sample weight: 62mg)
- 003 Red/black coating(label)
- 004 white fabric(with coating's label) (sample weight: 79mg)
- 005 White fabric with black/orange embroidery thread(label)
- 006 Transparent plastic(eyes)
- 007 White thread(on the nose) (sample weight: 28mg)
- 008 Beige looped fabric(teeth&hands&feet of elephant)
- 009 Light pink looped fabric(mouth) (sample weight: 79mg)
- 010 Black thread(on the hands/feet)
- 011 Green short plush(tail)
- 012 Black fabric(clothing)

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Photo(s) of the sample(s)



*** End of Report ***

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