

TEST REPORT

Number: BKKH12074564

Applicant: RATIKORN ART & CRAFTS CO., LTD.
24/52 SOI WAT THEWASUNTHON,
VIBHAVADI RANGSIT RD., LADYAO,
CHATUCHAK BANGKOK 10900 THAILAND
ATTN: K.THADPORN

Date: Feb 22, 2012

Sample description:

Ten (10) pieces of submitted sample said to be:

- (A) one (1) piece of FOMK-04/1F MONKEY (L)
- (B) one (1) piece of FOLI-04/1F LION (L)
- (C) one (1) piece of FOHO-04/1F HORSE (L)
- (D) one (1) piece of FOZE-04/1F ZEBRA (L)
- (E) one (1) piece of FOGI-04/1F GIRAFFE (L)
- (F) one (1) piece of FOEL-04/1F ELEPHANT (L)
- (G) one (1) piece of SP-1145 GIRAFFE (S)
- (H) one (1) piece of SP-1148 LION (S)
- (I) one (1) piece of SP-1161 HORSE(S)
- (J) one (1) piece of SP-1146 ZEBRA(S)

Country of Origin: Thailand
Date sample received: February 07, 2012
Date sample resubmitted: February 13, 2012



Tests conducted:

As requested by the applicant, for details please refer to attached pages.

To be continued

Authorized by :
For Intertek Testing Services (Thailand)

Phanit Hitapong
Division Manager
Toys & Hardlines Division



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Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	EN71 Part 1 : 2011 Mechanical and physical properties.	Pass
	EN71 Part 2 : 2011 Flammability.	Pass
	EN71 Part 3 : 1994 with the Incorporation of amendment A1:2000 and AC:2002.	Pass

Note: According to the standard, individual testing should be performed, however, as request by the applicant, mix testing has been conducted on the submitted samples.





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Test conducted:

- 1 Mechanical and Physical Test
As per European Standard on Safety of toys EN71-1 : 2011

Applicant's specified age group for testing: For all ages.

No age grading was specified on toy or packaging or by applicant, hence the sample was subjected to the most stringent abuse test conditions.

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4*	General requirements	P
5*	Toys intended for children under 36 months	P
6	Packaging	NA
7	Warnings and instructions for use	P

Remark: P = Pass NA = Not Applicable

* = The following sub clauses of Clause 4 and 5 of the standard were applicable: -

- 1) 4.1 Materials - cleanliness visual examination.
- 2) 4.8 Points and metallic wires.
- 3) 5.1 General requirements.
- 4) 5.2 Soft-filled toys and soft filled parts of a toy.
- 5) 5.4 Cords, Chains and electrical cable in toys.

Note: The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

Remark: Below are 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 type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking. After checking, it was found that all the above markings were present on toy

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

Testing period: February 08, 2012 to February 20, 2012



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Test conducted:

- 2 Flammability Test
As per European Standard on safety of toys EN71 Part 2 : 2011 Flammability.

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	General	P
4.2	Toys to be worn on the head which include beards, moustaches, wigs etc made from hair, pile or material with similar features, molded and fabric masks, and flowing material attached to hats, masks etc.	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 (animals and dolls etc) with a piled or textile surface	P

Remark: P = Pass NA = Not applicable

Testing period: February 08, 2012 to February 20, 2012

TEST REPORT

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Test conducted:

- 3 Toxic elements analysis
As per European Standard on safety of toys EN71 Part 3 : 1994 with the incorporation of amendment A1 : 2000 and AC : 2002, toxic elements migration were determined by Inductively Couple Plasma Optical Emission Spectrometry.

	<u>Result in mg/kg</u>							<u>Limit</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	<u>mg/kg</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<3	<3	<3	<3	<3	<3	<3	25

	<u>Result in mg/kg</u>						<u>Limit</u>
	(8)	(9)	(10)	(11)	(12)	(13)	<u>mg/kg</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<3	<3	<3	<3	<3	<3	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram based on weight of sample;

(1) = White nylon cord

(2) = White plastic with black screen print (Label)

(3) = Lt.pink/Organge/Dk.red tricot

(4) = Dk.blue/white/yellow tricot

(5) = Dk.pink/green/Lt.blue tricot

(6) = Black/violet tricot

(7) = Brown tricot (Monkey)

(8) = Black/Red/Blue flannel

(9) = Yellow/orange/white flannel with black print (eyes of Giraffe)

(10) = White flannel(Elephant)/brown flannel(Monkey)/white flannel with black print(eyes of Monkey)

(11) = Black(Lion)/white(Zebra)thread

(12) = Black ink for screen print

(13) = White with black fleece(Zebra)

Testing period: February 08, 2012 to February 10, 2012

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