

TEST REPORT

Report No.: R-cn5-1505151

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Applicant Name : WINHAND TOYS MANUFACTURING CO.,LTD.
Applicant Address : NO.106 HAIFA ROAD, HAICANG INDUSTRIAL DISTRICT, XIAMEN, CHINA.

The following information was submitted and identified by/on behalf of the client:

Product Name : Magnetic Scenes Puzzle
Item No : /
P.O.No. : /
Manufacturer : /
Country of Origin : /
Region of Export : /

Applicant's Specified Age Group for Testing : 3+
Tested Age Group : 3+

Date of receipt : Nov.05,2015
Testing Period : Nov.05,2015- Nov.09,2015

Testing Category : Applicant Testing
Test Requested : As specified by client
Test Method : Please refer to the following page
Test Instrument : Please refer to the following page

Testing Results : Please refer to the following page

Testing summary of Submitted Sample and Tested Component on Submitted Sample:

No.	Test items	Conclusion
1	EN71-1:2014 for mechanical and physical properties excluding labelling requirements of clause 7.1,7.2	Pass
2	EN71-2:2011+A1:2014, Flammability	Pass
3	EN 71-3:2013+A1:2014, Safety of toys - Part 3: Migration of certain elements	Pass

Approved by:



Laboratory Manager: Waterson Liu

Issued Date: Nov.09,2015
No. 15105876

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Testing Results:

1. Mechanical and Physical Properties

As per European standard on safety of toys EN71-1:2014

Clause	Requirement	Comment
4	General requirements	
4.1	Material	PASS
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS
4.8	Points and metallic wires	PASS
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	Cord 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	NA
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	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnet	PASS
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	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA

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Clause	Requirement	Comment
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
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	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	NA
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, inline skates 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

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Clause	Requirement	Comment
7.22	Toys with cords or chains intended for children of 18 months and over but under 36	NA

Remark : No packaging was submitted for testing. Hence, clause 7.1 and 7.2 requirements for Warnings, markings and instructions for use were not assessed.

2. Flammability

As per European standard on safety of toys EN71-2:2011+A1:2014

Clause	Requirement	Comment
4.1	General	PASS
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:NA = Not Applicable

Test components:

No.	Specimen	Description
001	Magnetic Scenes Puzzle	Translucent film
002		Soft magnet
003		White foam

According to client's requirement, just test the above specimens.

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3. Migration of certain elements

With reference to European standard on safety of toys EN 71-3:2013+A1:2014 – Migration of certain elements, acid extraction method was used and toxic elements content were determined by ICP-OES and GC-MS.

Element	MDL (mg/kg)	Result (mg/kg)			Limit (mg/kg)
		001	002	003	
Aluminium (Al)	50	ND	ND	ND	70000
Antimony (Sb)	1	ND	ND	ND	560
Arsenic (As)	0.5	ND	ND	ND	47
Barium (Ba)	50	ND	3940	ND	18750
Boron (B)	50	ND	ND	ND	15000
Cadmium (Cd)	0.3	ND	ND	ND	17
Chromium (III) (Cr III)	5	ND	ND	ND	460
Chromium (VI) (Cr VI)	0.005	ND	ND	ND	0.2
Cobalt (Co)	0.5	ND	ND	ND	130
Copper (Cu)	50	ND	ND	ND	7700
Lead (Pb)	0.5	ND	ND	ND	160
Manganese (Mn)	50	ND	ND	ND	15000
Mercury (Hg)	0.5	ND	ND	ND	94
Nickel (Ni)	10	ND	ND	ND	930
Selenium (Se)	5	ND	ND	ND	460
Strontium (Sr)	50	ND	ND	ND	56000
Tin (Sn)	50	ND	ND	ND	180000
Organic tin	0.05	ND	ND	ND	12
Zinc (Zn)	50	ND	ND	ND	46000

Note:

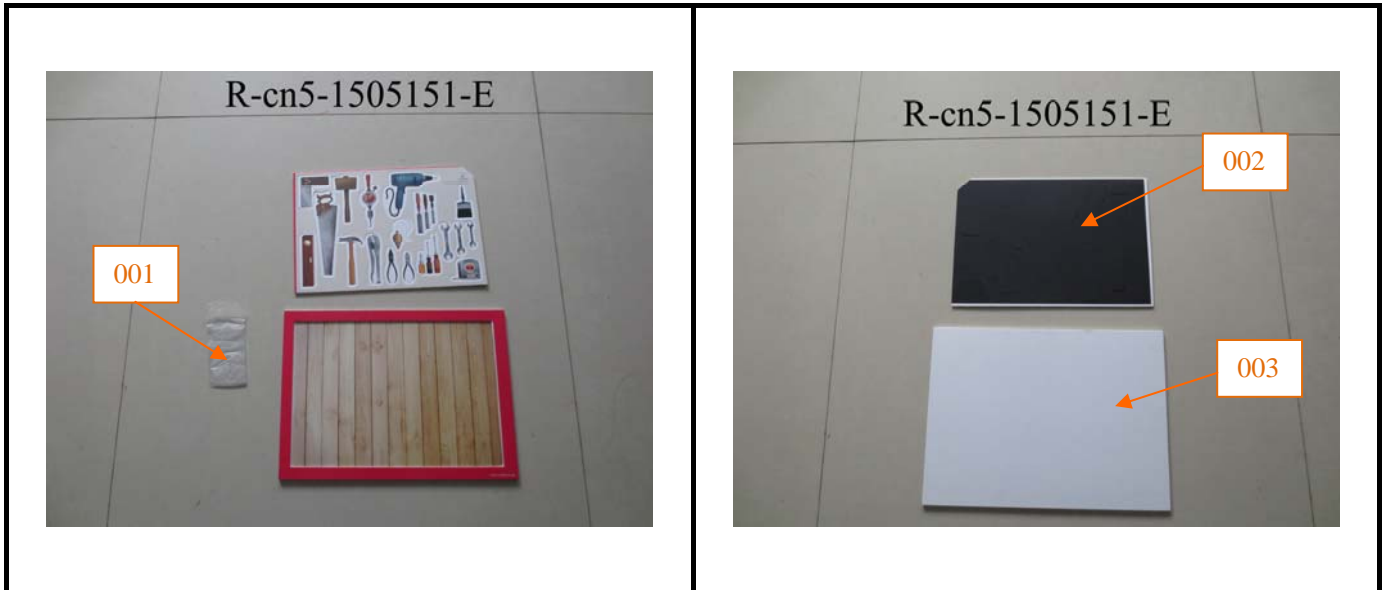
- 1.1mg/kg=1ppm=0.0001%
- 2.MDL=Method Detection Limit
- 3.ND=No Detected(<MDL)
- 4.The Chromium (III) and Chromium (VI) content was reported as Chromium. Whenever the result of Chromium exceeded the limit of Chromium (III) and Chromium (VI), confirmation test was performed.
- 5.The Organic tin content was reported as tin unless specified.

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Annex: Sample Photo



The results shown here refer only to the sample(s) tested, unless otherwise stated. This report can only be reproduced in full, not partially, except by explicit written permission of the laboratory

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