

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 1 of 9

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 : Animal Bingo
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 : Oct.30,2015
Testing Period : Oct.30,2015- Nov.11,2015

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

Approved by:



Laboratory Manager: Waterson Liu

Issued Date: Nov.11,2015
No. 15105057

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 2 of 9

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

No.	Test items	Conclusion
1	EN71-1:2014 for mechanical and physical properties	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

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

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 3 of 9

Clause	Requirement	Comment
4.23	Magnet	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	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
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	PASS
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 teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 4 of 9

Clause	Requirement	Comment
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	NA

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	Animal Bingo	White hardboard (carton)
002		Bag- white rope
003		Bag-black plastic buckle
004		Bag- white with green dot fabric
005		Bag- round wood
006		CD- chromatic coating
007		CD- base material
008		Book- white coating
009		Book- metal wire
010		Book- chromatic pattern
011		Paperboard- chromatic paperboard

Re: Revise Report "R-cn5-1505057-E +Rev 1"

1.As per client's request, resubmit book- black coating for mechanical and physical properties, migration of certain elements retest in the revised report

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 5 of 9

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	004	
Aluminium (Al)	50	270	ND	ND	ND	70000
Antimony (Sb)	1	ND	ND	ND	ND	560
Arsenic (As)	0.5	ND	ND	ND	ND	47
Barium (Ba)	50	ND	ND	ND	ND	18750
Boron (B)	50	ND	ND	ND	ND	15000
Cadmium (Cd)	0.3	ND	ND	ND	ND	17
Chromium (III) (Cr III)	5	ND	ND	ND	ND	460
Chromium (VI) (Cr VI)	0.005	ND	ND	ND	ND	0.2
Cobalt (Co)	0.5	ND	ND	ND	ND	130
Copper (Cu)	50	ND	ND	ND	ND	7700
Lead (Pb)	0.5	ND	ND	ND	ND	160
Manganese (Mn)	50	ND	ND	ND	ND	15000
Mercury (Hg)	0.5	ND	ND	ND	ND	94
Nickel (Ni)	10	ND	ND	ND	ND	930
Selenium (Se)	5	ND	ND	ND	ND	460
Strontium (Sr)	50	ND	ND	ND	ND	56000
Tin (Sn)	50	ND	ND	ND	ND	180000
Organic tin	0.05	ND	ND	ND	ND	12
Zinc (Zn)	50	ND	ND	ND	ND	46000

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 6 of 9

Element	MDL (mg/kg)	Result (mg/kg)				Limit (mg/kg)
		005	006	007	008	
Aluminium (Al)	50	ND	1080	ND	ND	70000
Antimony (Sb)	1	ND	ND	ND	ND	560
Arsenic (As)	0.5	ND	ND	ND	ND	47
Barium (Ba)	50	ND	288	ND	ND	18750
Boron (B)	50	ND	ND	ND	ND	15000
Cadmium (Cd)	0.3	ND	ND	ND	ND	17
Chromium (III) (Cr III)	5	ND	ND	ND	ND	460
Chromium (VI) (Cr VI)	0.005	ND	ND	ND	ND	0.2
Cobalt (Co)	0.5	ND	ND	ND	ND	130
Copper (Cu)	50	ND	ND	ND	ND	7700
Lead (Pb)	0.5	ND	ND	ND	ND	160
Manganese (Mn)	50	163	ND	ND	119	15000
Mercury (Hg)	0.5	ND	ND	ND	ND	94
Nickel (Ni)	10	ND	ND	ND	ND	930
Selenium (Se)	5	ND	ND	ND	ND	460
Strontium (Sr)	50	ND	ND	ND	ND	56000
Tin (Sn)	50	ND	ND	ND	ND	180000
Organic tin	0.05	ND	ND	ND	ND	12
Zinc (Zn)	50	ND	ND	ND	ND	46000

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 7 of 9

Element	MDL (mg/kg)	Result (mg/kg)			Limit (mg/kg)
		009	010	011	
Aluminium (Al)	50	ND	ND	697	70000
Antimony (Sb)	1	ND	ND	ND	560
Arsenic (As)	0.5	ND	ND	ND	47
Barium (Ba)	50	ND	ND	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	139	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	1440	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.

TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 8 of 9

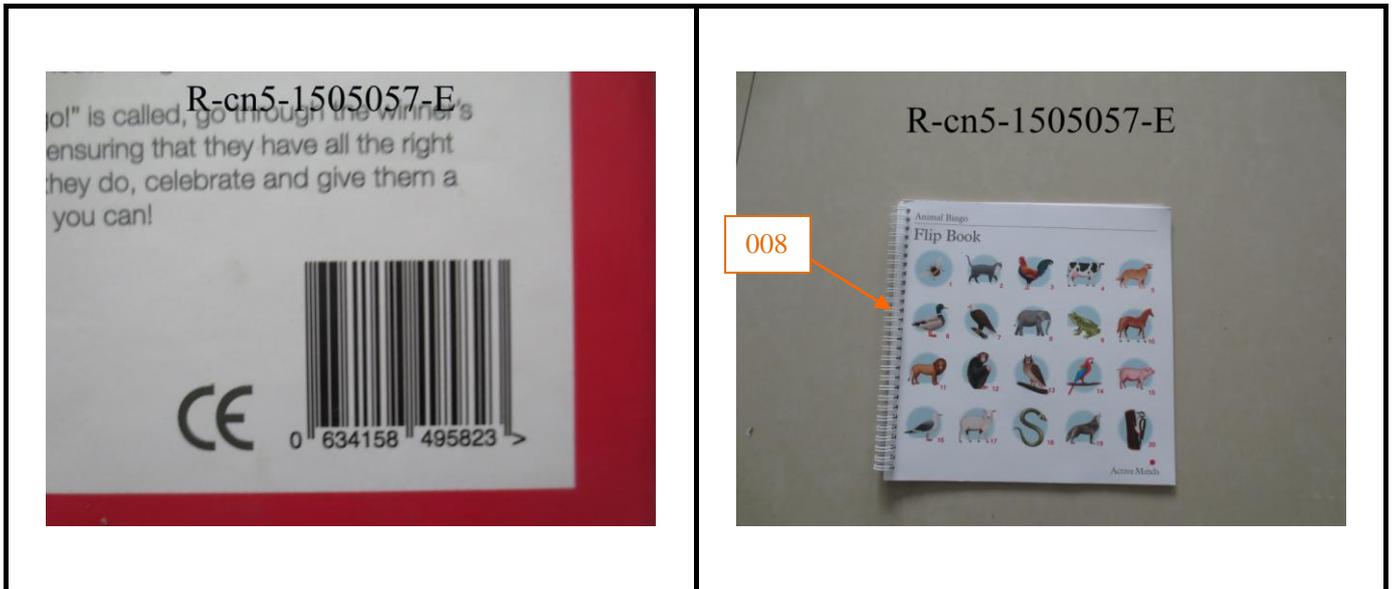
Annex: Sample Photo



TEST REPORT

Report No.: R-cn5-1505057-E-S2

Page 9 of 9



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 *****