

TEST REPORT

No. : TY16-02338

Customer Name : KIDSNET

Date of Receipt : 2016.11.25

Address : SEA@102-1106, YONGJEONG RI, JINGEN EUP,
NAMYANGZU SI, GYEONGGI DO, KOREA

Testing Period : 2016.11.25 ~ 2016.12.05

Buyer Name : MILLARS ARK TOYS LTD.

Buyer Address : A.K. BUSINESS PARK, RUSSEL ROAD, SOUTHPORT,
MERSEYSIDE, PR9 7RF, ENGLAND

Sample Information:

Sample Description:	SEAL		
Style No./ Item No.:	030182/AN275/L072	Manufacture Name:	PT. ALPHA TOYS INDONESIA
Buyer No.:	/	SKU No.:	/
P.O. No.:	/	Country of Origin:	INDONESIA
Doc. No.:	/	Country of Destination:	U.K.
Lot No.:	/	Previous Report No.:	/
Color:	/	Re-Test (Yes/No):	NO

Age Grading:

Labeled Age grading:	No label submitted
Tested Age grading:	For all ages

Sample Type:

X	Production Sample		Pre-Production Sample		Partial Test Sample
----------	--------------------------	--	------------------------------	--	----------------------------

Tests Requested/Conclusion :

EN 71 Part 1:2014 – Mechanical and Physical Properties (Excluding clause 7)	PASS
EN 71 Part 2:2011+A1:2014 – Flammability of Toys	PASS
EN 71 Part 3:2013+A1:2014 – Migration of Certain Elements	PASS

Comment : No label or instruction was provided by the client. According to Directive 2009/48/EC, the manufacturer should provide CE mark, information such as address and, for textile toy, washing instruction.

Test result : Refer to the attached sheets.

Affirmation	Tested by Name : Taek Su Kim <i>Taek Su Kim</i>	Technical Manager Name : Woo Jong Sim <i>Woo Jong Sim</i>
--------------------	---	---

Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified.
The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products.

2016. 12. 05

Korea Conformity Laboratories

President Kim, Kyungsik

Kyungsik Kim

TEST REPORT

No. : TY16-02338

(Sample Image)



TEST REPORT

No. : TY16-02338

TEST RESULTS

EN 71 – PART 1 MECHANICAL AND PHYSICAL PROPERTIES

The stuffed toys are considered to be for all ages, so the tests were applied to the category of all age group and subjected to the most stringent applicable requirements within part1 of EN 71

* Result comments: NA = Not Applicable, NR = Not Requested

Clause	Properties	Requirements	Results	Rating
4.1	Material cleanliness	Shall be visually clean and free from infestation	Clean	Pass
4.3	Flexible plastic sheeting	Average thickness shall be ≥ 0.038 mm Or minimum 1% of the area removed with holes over every (30 x 30) mm	NA	-
4.4	Toy bags	Opening perimeter greater than 380 mm shall not have a drawstring Or the material shall be permeable to air	NA	-
4.5	Glass	Shall be used for only functional purpose for over 36 months	NA	-
4.7	Edges	No sharp edge	No sharp edges	Pass
4.8	Points and metallic wires	No sharp point	No sharp points	Pass
	Flexibility of metallic wires	Shall not break and produce sharp point	NA	-
4.20	Acoustics	Shall not exceed 115 dB For rattle & squeeze toys, - "A" W't : ≤ 85 dB - "C" W't : ≤ 110 dB	NA	-
4.22	Small balls	Shall not entirely pass through template "E"	NA	-
4.23	Magnets	Shall either have a magnetic flux index less than $50 \text{ KG}^2\text{mm}^2$, Or shall not fit entirely in the small parts cylinder	NA	-
5	Toy intended for children under 36 months		No hazards	Pass
	Cleaning and washing	The toy must fulfill all the safety requirements after having been cleaned in accordance with manufacturer's instructions	No hazard (See Remark*1)	Pass
5.1	General requirements	No hazardous small parts & sharpness	No hazards	Pass
	Toque test (8.3)	Not detached (0.34 Nm or rotation of 180°, 10 s)	Not detached (Eyes, Nose)	Pass
	Tension test (8.4) -General	Not detached (≤ 6 mm : (50 \pm 2) N, > 6 mm : (90 \pm 2) N, 10 s)	Not detached (Eyes, Nose)	Pass
	Drop test (8.5)	No hazardous small parts & sharpness ((850 \pm 50) mm, 5 drops (≤ 18 Months))	No damaged	Pass
	Impact test (8.7)	No hazardous small parts & sharpness (Metallic weight : (1 \pm 0.02) kg, Drop distance: (100 \pm 2) mm)	No small part & sharpness	Pass
	Compression test (8.8)	No hazardous small parts & sharpness ((110 \pm 5) N , 1 kg, 10 s)	No small part & sharpness	Pass
	Sharp edge (8.11)	No hazardous sharp edge	No sharp edges	Pass
	Sharp point (8.12)	No hazardous sharp point	No sharp point	Pass
	Flexure test (8.13)	No breakage (Total angle : 120°, 30 cycles)	NA	-
5.2	Soft-filled toys and soft-filled parts of a toy	Shall not contain any hard or sharp contaminants	No containing	Pass
	Tension test -Seam & materials	(70 \pm 2) N of tensile force, 10 s a) Soft-filled toys containing small parts : The front probe "A" shall not be inserted under a force of 10 N b) Other soft-filled toys : The 12 mm diameter rod shall not be inserted by more than 6 mm at 10 N	No separation of seam areas	Pass
5.3	Plastic sheeting	Average thickness shall be ≥ 0.038 mm	NA	-

TEST REPORT

No. : TY16-02338

Clause	Properties	Requirements	Results	Rating
5.4	Cords, chains and electrical cables in toys	a) Self-retraction mechanism or Pull-along toys : Cross-sectional dimension ≥ 1.5 mm b) Length : ≤ 220 mm (< 18 months) : ≤ 300 mm (≥ 18 months) c) Perimeter : ≤ 380 mm or Distance "d" ≤ 96 mm d) Self-retracting cords : Shall not lift a mass of (1 ± 0.1) kg e) Cords with a free end : Free length < 300 mm (< 18 months)	NA	-
5.8	Shape and size of certain toys	No protrusion past the template "A & B" (*Does not apply to parts of soft filled or fabric)	NA	-
5.9	Toys comprising monofilament fibres	If monofilament length > 50 mm, shall bear warning (7.17) (*except hair and pile fabric)	NA	-
5.10	Small balls	Shall not pass entirely through template "E" (Exclude Soft-filled balls)	NA	-
5.13	Suction cups	Shall not pass entirely through template "E"	NA	-
5.14	Straps intended to be worn fully or partially around neck	Shall have breakaway feature that separates at (25 ± 2) N	NA	-
6	Packaging	Average thickness shall be > 0.038 mm. Or, Minimum 1 % holes are every (30 x 30) mm	NA (Not submitted)	-
7	Warnings and instructions for use			
7.1	General			
	2009/48/EC, Article 16, 17 REGULATION (EC) No 765/2008, Article 30	Shall bear the CE marking (At least 5 mm high) Shall consist of initials "CE" taking the form set out in Article 30 of Regulation (EC) No 765/2008	NA (No label submitted)	-
	2009/48/EC, Article 4, 6 Name and address of the manufacturer/importer	The manufacturer's and importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging	NA (No label submitted)	-
	2009/48/EC, Article 4, 5 Type, batch, serial or model number or other element allowing their identification.	Manufacturers 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	NA (No label submitted)	-
7.2	Warning for toys not intended for children under 36 months	Shall bear an age warning or age warning symbol	NA	-
* Remark				
1. Test washing method was not submitted. But, since it should be soak washed, the client requested to conduct test by hand washing method. (Type A machine, Procedure No. Simulated Hand Wash, 1 Wash, Flat Dry, Non phosphate IEC reference detergent A)				

TEST REPORT

No. : TY16-02338

EN 71 – PART 2 FLAMMABILITY OF TOYS

Clause	Properties	Requirements	Results	Rating
4.1	General	a) Shall not use celluloid and materials with the same behavior in fire b) shall not produce surface flash with the approach of a flame c) Shall not use highly flammable solids	No Cellulose Nitrate No Surface Flash Occurred	Pass
4.5	Soft filled toys	The rate of spread of flame : < 30 mm/s Or shall self-extinguish	See Remark *1	Pass

Remark *1 :

<u>Burn Length</u> (mm)	<u>Burn Time</u> (s)	<u>Burn Rate</u> (mm/s)	<u>Limit</u> (mm/s)
-	-	D.N.I.	< 30

* D.N.I. : Did not Ignite.

EN 71 – PART 3 MIGRATION OF CERTAIN ELEMENTS (Category III - Scraped-off materials)

Tested Component :

- 1) Pile(Cream)-Body/head/muzzle/legs/feet
- 2) Boa (Cream)-Muzzle
- 3) Nylex (L. brown)-Eyes
- 4) Thread (Black)-Mouth
- 5) Sprayed ink(Black) on the Pile (White)-Feet/eyebrows and Boa (Cream)-Muzzle
- 6) Plastic eyes
- 7) Plastic nose

Elements	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Boron (B)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr ³⁺)	Chromium (Cr ⁶⁺)	Rating	
Requirement (mg/kg)	< 70 000	< 560	< 47	< 18 750	< 15 000	< 17	< 130	< 460	< 0.2		
Results (mg/kg)	1)	< 250	< 5	< 3	< 5	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass
	2)	< 250	< 5	< 3	< 5	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass
	3)	< 250	< 5	< 3	< 5	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass
	4)	< 250	< 5	< 3	22	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass
	5)	< 250	< 5	< 3	< 5	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass
	6)	< 250	< 5	< 3	< 5	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass
	7)	< 250	< 5	< 3	< 5	< 250	< 5	< 10	< 5 ^a	< 0.2 ^a	Pass

TEST REPORT

No. : TY16-02338

Elements	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Mercury (Hg)	Nickel (Ni)	Selenium (Se)	Strontium (Sr)	Tin (Sn)	Organic Tin	Zinc (Zn)	Rating	
Requirement (mg/kg)	< 7 700	< 160	< 15 000	< 94	< 930	< 460	< 56 000	< 180 000	< 12	< 46 000		
Results (mg/kg)	1)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass
	2)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass
	3)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass
	4)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass
	5)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass
	6)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass
	7)	< 50	< 5	< 250	< 5	< 10	< 5	< 250	< 4.9	< 4.9 ^b	< 250	Pass

Remark :

1. < = Less than (Detection Limit)
2. mg/kg = milligram per kilogram (ppm=parts per million)
3. Test material less than 10 mg are not required to test elements according to Clause 7
4. Test Procedure : Analysis was determined by ICP-OES to determine in compliance with EN 71 Part 3:2013+A1:2014 for Migration of Certain Elements
5. ^a : Reported as soluble Cr
 - Confirmation test of soluble chromium (III) & chromium (VI) is not requires in case of soluble chromium does not exceed their requirements as specified in EN 71 Part 3:2013+A1:2014
- ^b : Reported as soluble Tin
 - Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirements as specified in EN 71 Part 3:2013+A1:2014

- End of Report -