



# TEST REPORT

Mechanical & Hardgoods Lab

Report No : HY/2013/30210  
Page : 1 of 4  
Date : 2013/03/19

The following merchandise was submitted & identified by the applicant as:

Sample description and function: Red foam ball  
Packaging/Type: Yes/ plastic bag  
Instructions for use/assembly: Not provided  
Product identification name: KANGAROO BALLS PACK 3  
Style/Item No:  
Manufacturer/Vendor:  
Country of Origin: TAIWAN  
Labeled Age Grading: Not suitable for children under 36 months  
Requested Age Grading: For ages 3 years up  
Age Group Assessed As Per Age Guideline: < 36 months  
Age Group Applied in Testing: Ages 3 and up  
Sample receiving Date: 2013/03/11  
Testing Period: 2013/03/12 – 03/19

We have tested the submitted sample(s) as requested and the following results were obtained:

<u>Test Requested</u>	<u>Result</u>
- EN71 Part 1:2011 – Mechanical and Physical Properties	Pass
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	See Result on page 2, 3
- EN71 Part 2:2011 – Flammability	Pass
- EN 71 Part 3:1994 + A1:2000 + AC:2002 – Migration of Certain Elements	Pass

Signed for and on behalf of  
SGS Taiwan Ltd.

Iris Huang  
Asst. Manager



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### Test Results:

European Standard – Safety of Toys: EN71-1:2011 – Mechanical and Physical Properties

Clause	Description	Result
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	Pass
6	Packaging	Pass
7	Warnings, markings and instructions for use	
7.1	General	N/A
7.2	Toys not intended for children under 36months (Remark : No small part was found before and after test. Therefore, small part warning should not be shown on the packaging.)	See Remark

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

Summary table:

	On product	On packaging
Washing/Cleaning instruction	Absent	Absent
CE mark	Absent	Present
Name & Address	Absent	Present
Product ID	Absent	Present

Washing/Cleaning Label Absent / See Remark  
(Sub-content is extracted from the context of EN71 Part 1:2011)

(Remark: According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: 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 must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy must 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.)

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CE mark, importer / manufacturer mark (name, address), product identification	Present / See Remark
<i>(Sub-content is extracted from the context of EN71 Part 1:2011)</i>	
<p>(Remark: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles 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 <i>packaging</i>. 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 <i>packaging</i> for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the <i>packaging</i>, if any, it shall as a minimum be affixed to the <i>packaging</i>. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.</p> <p>The manufacturer'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 <i>packaging</i> or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.</p> <p>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 <i>packaging</i> or in a document accompanying the toy.)</p> <p>Observation Result:</p> <p>CE marking was found on the packaging and the height is 7 mm.</p> <p>Manufacturer's/importer name, address was found on the packaging.</p> <p>Product identification S400080 was found on the packaging.</p>	

#### European Standard - Safety of Toys : EN 71 Part 2:2011 – Flammability

Clause	Description	Result
4	Requirements	
4.1	General requirements	<u>Pass</u>

N.B.:-Only applicable clauses were shown

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European Standard - Safety of Toys : EN 71 Part 3:1994 with the incorporation of amendments A1:2000 /AC: 2002 - Migration of Certain Elements

Element	Unit	MDL	1	Pass Limit
Soluble Antimony (Sb)	mg/kg	5	n.d.	60
Soluble Arsenic (As)	mg/kg	2.5	n.d.	25
Soluble Barium (Ba)	mg/kg	10	n.d.	1000
Soluble Cadmium (Cd)	mg/kg	5	n.d.	75
Soluble Chromium (Cr)	mg/kg	5	n.d.	60
Soluble Lead (Pb)	mg/kg	5	n.d.	90
Soluble Mercury (Hg)	mg/kg	5	n.d.	60
Soluble Selenium (Se)	mg/kg	5	n.d.	500

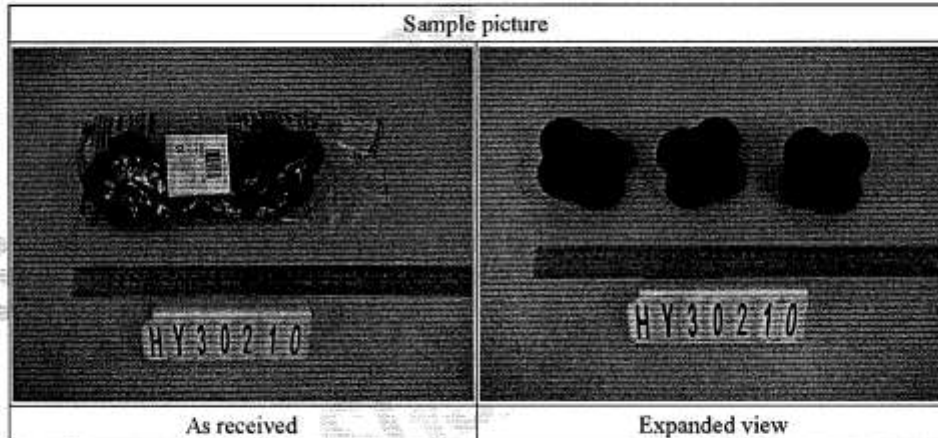
**Description:**

1. Red foam of sample.

**NOTE:**

1. mg/kg = ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit

Sample picture



SGS authenticate the photo on original report only

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

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Date : 2014/04/21

### LEK OHOJ AB

SKOGSHOLMSVAGEN 2, 522 30 TIDAHOLM, SWEDEN

The following merchandise was submitted & identified by the applicant as:

<u>Type of Product:</u>	Reaction Rubber Ball
<u>Style/Item No:</u>	916-004
<u>Manufacturer/Vendor:</u>	
<u>Country of Origin:</u>	Taiwan
<u>Date of Sample received:</u>	2014/04/10
<u>Test Performing Period:</u>	2014/04/11 – 04/18

We have tested the submitted sample(s) as requested and the following results were obtained:

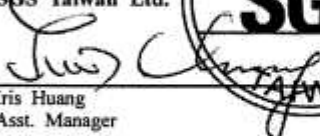
#### Test Requested

EN 71-3: 2013- Migration of Certain Elements

#### Test methods / Results

- Please see the next page(s)

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Iris Huang  
Asst. Manager



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### Test Methods / Results

European Standard - Safety of Toys : EN 71 Part 3: 2013 - Migration of Certain Element

#### **Category III: Scrapped-off toy material**

Method: With reference to EN 71 Part 3:2013. Analysis was performed by ICP-AES. Extractable Organic

Tin was analyzed by GC-MS. Extractable Chromium III & Chromium VI were analyzed by LC-ICP-MS.

Test Item		Result(mg/kg)				MDL (mg/kg)	Limit(**) (mg/kg)
		1	2	3	4		
Soluble Aluminium	(Al)	N.D.	N.D.	N.D.	N.D.	50	70,000
Soluble Antimony	(Sb)	N.D.	N.D.	N.D.	N.D.	10	560 (60**)
Soluble Arsenic	(As)	N.D.	N.D.	N.D.	N.D.	10	47 (25**)
Soluble Barium	(Ba)	N.D.	N.D.	N.D.	N.D.	50	18,750 (1,000**)
Soluble Boron	(B)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	N.D.	N.D.	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	N.D.	N.D.	N.D.	10	130
Soluble Copper	(Cu)	N.D.	N.D.	N.D.	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	N.D.	N.D.	N.D.	10	160 (90**)
Soluble Manganese	(Mn)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	N.D.	N.D.	N.D.	10	94 (60**)
Soluble Nickel	(Ni)	N.D.	N.D.	N.D.	N.D.	10	930
Soluble Selenium	(Se)	N.D.	N.D.	N.D.	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	N.D.	N.D.	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	N.D.	N.D.	N.D.	4.9	180,000
Soluble Zinc	(Zn)	246	171	170	154	50	46,000
Soluble Chromium (III)	(Cr (III))	N.D.	N.D.	N.D.	N.D.	1	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	N.D.	N.D.	N.D.	0.18	0.2
Soluble Organic Tin <sup>†</sup>	--	N.D.	N.D.	N.D.	N.D.	--	12

Remark: #

Test Item		Soluble Organic Tin Result(s)				MDL (mg/kg)
		1	2	3	4	
Methyl tin	(MeT)	N.D.	N.D.	N.D.	N.D.	0.5
Di-n-propyl tin	(DProT)	N.D.	N.D.	N.D.	N.D.	0.5
Butyl tin	(BuT)	N.D.	N.D.	N.D.	N.D.	0.5
Dibutyl tin	(DBT)	N.D.	N.D.	N.D.	N.D.	0.5
Tributyl tin	(TBT)	N.D.	N.D.	N.D.	N.D.	0.5
n-Octyl tin	(MOT)	N.D.	N.D.	N.D.	N.D.	0.5
Tetrabutyl tin	(TeBT)	N.D.	N.D.	N.D.	N.D.	0.5
Di-n-octyl tin	(DOT)	N.D.	N.D.	N.D.	N.D.	0.5
Diphenyl tin	(DPhT)	N.D.	N.D.	N.D.	N.D.	0.5
Triphenyl tin	(TPhT)	N.D.	N.D.	N.D.	N.D.	0.5

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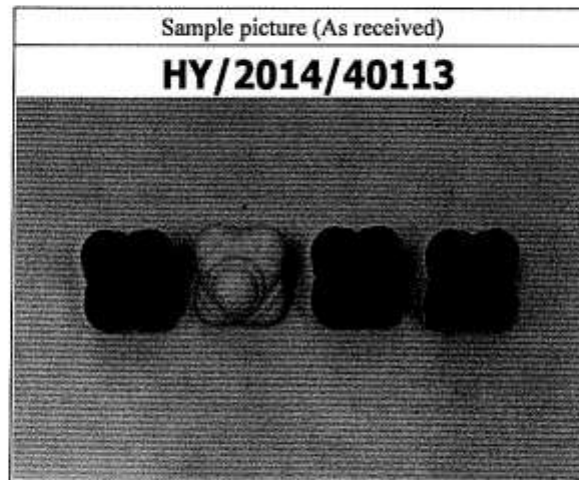
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### Description:

1. Red soft plastic of sample.
2. Green soft plastic of sample.
3. Yellow soft plastic of sample.
4. Blue soft plastic of sample.

### NOTE:

1. mg/kg = ppm
2. N.D. = Not Detected
3. MDL =Method Detection Limit
4. "--" =Not Conducted
5. " \*\* " = German national provision adopts the more stringent limits between 2013/492/EU and EN71-3:2013. The soluble Antimony, Arsenic, Barium, Lead and Mercury limits from 2013/492/EU are adopted as they are the most stringent ones



\*\* End of Report \*\*