



Test Report No. F690101/LF-CTSAYHA13-00178 Issued Date : February 06, 2013 Page 1 of 5

TO: I&S
136-1, Hojuk-Ri,
Oksanmyeon,
Cheongwongun,
Chungbuk,
Korea

The following sample(s) was/were submitted and identified on behalf of the client as : -

SGS Job No.. : AYHA13-00178
Sample Description : DWINGULER KIDS' PLAYMAT (环保康乐儿童垫)
Detail of Sample : Play mat.
Style /Item No. : -
Packaging : Yes
Instructions for use/assembly : Yes
Buyer : -
Country of Origin : SOUTH KOREA
Country of Destination : -
Labeled age grading : None
Requested age : None
SGS assessed age (based on CR 14379/ASTM F963) : All ages
Sample Receiving Date : JAN. 30, 2013
Testing Period : JAN. 31, 2013 to FEB. 06, 2013
Test Performed : SGS Korea tested the sample(s) selected by applicant with following result.
Test Result(s) : For further details, please refer to following page (s)
Result Summary :

Test Requested	Conclusion
EN71 Part 1:2011 Safety of toys – Mechanical and Physical Properties	PASS
EN71 Part 2:2011 Safety of toys – Flammability of Toys	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 note 1*
EN71 Part 3:1994+A1:2000/AC:2002 Safety of toys – Migration of Certain Elements	PASS

SGS Korea Co., Ltd.

Tommy Oh / Technical Manager

Test Report No. F690101/LF-CTSAYHA13-00178 Issued Date : February 06, 2013 Page 2 of 5

Test Conducted

European Standard on Safety of Toys
 - Mechanical & Physical Properties
 As specified in European standard on safety of toys EN 71 PART 1: 2011

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
	5.1a Small part requirements on toys & removable components (Test method 8.2)	Pass
	5.1b Torque test(Test method 8.3)	Pass
	Tension test(Test method 8.4)	Pass
	Drop test(Test method 8.5)	Pass
	Impact test(Test method 8.7)	Pass
	Compression test(Test method 8.8)	Pass
	Sharp edge(Test method 8.11)	Pass
	Sharp point(Test method 8.12)	Pass
6	Packaging	Pass

- Flammability of Toys
 As specified in European standard on safety of toys EN 71 PART 2: 2011

Clause	Description	Result
4.1	General requirements	Pass (See note *)

Note 1*

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:

	Observation Result	Location
Washing/Cleaning instruction	Absent	See Note 1
CE mark	Absent	See Note 2
Importer's Name & Address	Absent	See Note 3
Manufacturer's Name & Address	Present	Packaging
Product ID	Absent	See Note 4

Note:

1. According to Directive 2009/48/EC, 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 manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. 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 or in a document accompanying the toy.
4. 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.

Test Report No. F690101/LF-CTSAYHA13-00178

Issued Date : February 06, 2013 Page 4 of 5

- Migration of Certain Element

As specified in European standard on safety of toys EN 71 Part 3:1994+A1:2000/AC:2002 – Migration of certain elements were performed by Inductively Coupled Argon Plasma Spectrometry.

Element	Results (Unit : mg/kg)								Conclusion
	Lead (Pb)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Cadmium (Cd)	Chromium (Cr)	Mercury (Hg)	Selenium (Se)	
Limit	90	60	25	1000	75	60	60	500	-
MDL	5	5	2.5	10	5	2.5	2.5	10	-
<u>1</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>2</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>3</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>4</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>5</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>6</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>7</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS
<u>8</u>	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	N. D.	PASS

Description :

- | | |
|----------------------|----------------------|
| 1. Orange Mat + Foam | 2. Yellow Mat + Foam |
| 3. Blue Mat + Foam | 4. Green Mat + Foam |
| 5. Red Mat + Foam | 6. Brown Mat + Foam |
| 7. White Mat + Foam | 8. Black Mat + Foam |

Note: (1) N. D. = Not detected (< MDL)
 (2) MDL = Method Detection Limit
 (3) Results shown are of the adjusted analytical result.

N.B. : Only applicable clauses were shown.

Picture of Sample as Received :



*** End of Report ***