

### 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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sqs.com/em?-ems-and-Conditions.aspx\_and">http://www.sqs.com/em?-ems-and-Conditions.aspx\_and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/em?-ems-and-Conditions.aspx\_and">www.sqs.com/em?-ems-and-Conditions.aspx\_and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/em?-ems-and-Conditions.aspx\_and</a>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/em?-ems-and-Conditions.aspx\_and</a>, and within the minimal contained become reflects the Company and the time does not a towned and this document and



## 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 | Pass   |  |  |
|        | (Test method 8.2)   |        |  |  |
|        | 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 Des |     | Description          | Result            |  |
|------------|-----|----------------------|-------------------|--|
|            | 4.1 | General requirements | Pass (See note *) |  |

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">http://www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, subject to Terms and Conditions at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, and conditions at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">http://www.sqs.com/en/Terms-and-Conditions.apox</a>, and, for electronic format documents, and conditions. and conditions at <a href="http://www.sqs.com/en/Terms-and-Conditions.apox">www.sqs.com/en/Terms-and-Conditions.apox</a>, and conditions. And conditions at <a href="http://www.sqs.com/en/Terms-and-Conditions.ap



# Test Report No. F690101/LF-CTSAYHA13-00178 Issued Date: February 06, 2013 Page 3 of 5

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.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.ss.com/en/Terms-and-Condition-aspx.and">http://www.ss.com/en/Terms-and-Condition-aspx.and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents www.ss.com/en/Terms-and-Condition-aspx.and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents www.ss.com/en/Terms-and-Condition-aspx.and</a>, and for electronic format documents, subject to Terms and Conditions on yellow the first intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document and the transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without pri written approval of the Company, Any unauthorized alteration, forgery or falsification of the content or appearance of this document is under the false. Unless of the review is stated the results shown in this test report refer only to the sample(s) sets and such sample(s) are retained for 90 days only.



## 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.

|          | Results (Unit : mg/kg) |                  |                 |                |                 |                  |                 |                  |            |
|----------|------------------------|------------------|-----------------|----------------|-----------------|------------------|-----------------|------------------|------------|
| Element  | Lead<br>(Pb)           | Antimony<br>(Sb) | Arsenic<br>(As) | Barium<br>(Ba) | Cadmium<br>(Cd) | Chromium<br>(Cr) | Mercury<br>(Hg) | Selenium<br>(Se) | Conclusion |
| 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
- 3. Blue Mat + Foam
- 5. Red Mat + Foam
- 7. White Mat + Foam

- 2. Yellow Mat + Foam
- 4. Green Mat + Foam
- 6. Brown 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.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sqs.com/enr/Terms-and-Conditions.aspx.and">https://www.sqs.com/enr/Terms-and-Conditions.aspx.and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents away sqs.com/enr/Terms-and-Conditions.aspx.and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents away sqs.com/enr/Terms-and-Conditions.aspx.and</a>, in the Electronic formation of the Electron



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



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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.ss.com/en/Terms-and-Condition-aspx.and">http://www.ss.com/en/Terms-and-Condition-aspx.and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents www.ss.com/en/Terms-and-Condition-aspx.and</a>, for electronic format documents, subject to Terms and Conditions for Electronic Documents www.ss.com/en/Terms-and-Condition-aspx.and</a>, and for electronic format documents, subject to Terms and Conditions on yellow the first intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document and the transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without pri written approval of the Company, Any unauthorized alteration, forgery or falsification of the content or appearance of this document is under the false. Unless of the review is stated the results shown in this test report refer only to the sample(s) sets and such sample(s) are retained for 90 days only.