

**Test Report No.** 2794656

**Date :** 16-Sep-2014

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**Client : Dilemma Games Ltd.**

**The Punna1 business center,506;Nimmanhaemin Road soi 6,  
T.Suthep A.Muang Chiangmai 50200 Thailand**

The following sample(s) was/were submitted and identified by client as:

Sample Description : AVION/ AIRPLANE PUZZLE  
Sample No. : 2872575  
Sample Condition : As per attached photograph.  
Quantity Submitted : 2 pcs  
Buyer Reference No. : 916426  
Supplier Reference No. : IQ131B  
Materials : WOODEN, METAL  
Supplier : Dilemma Games Ltd  
Country of Destination : France  
Labeled Age Grading : 3 Y+  
SGS Assessed Age : OVER 36 MONTHS (According to CR 14379)  
Grading :  
Tested Age Grading : OVER 36 MONTHS  
  
Sample Receiving Date : 5-Sep-2014  
Testing Period : 5-Sep-2014 to 16-Sep-2014  
  
Test Results : Please see the attached sheet.

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**Test Requested & Result Summary**

**Test Requested :**

For compliance with the European Standard on Safety of Toys :-

1. EN71 Part 1:2011+A3:2014 - Mechanical and Physical Properties
2. EN71 Part 3:2013 - Migration of certain elements

**Result Summary :**

**Test Parameter**

1. EN71 Part 1:2011+A3:2014 - Mechanical and Physical Properties
2. EN71 Part 3:2013-Migration of certain elements

**Conclusion**

PASS

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 4 of 6

Remark : Test results in this report are applicable for the item tested and reflects the tested sample as received.

**Signed for and on behalf of  
SGS (Thailand) Limited**



**Rutchuporn Mungsom  
Laboratory manager - Toy and Hardgood**

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**TEST RESULTS**

**Mechanical and Physical Properties**

Test Method : As specified in EN 71-1:2011+A3:2014

| Clause | Description   | Results |
|--------|---|---------|
| 4      | General requirements  |         |
| 4.1    | Material cleanliness**  | PASS    |
| 4.7    | Edges   | PASS    |
| 4.8    | Points and metallic wires   | PASS    |
| 4.9    | Protruding parts  | PASS    |
| 5      | Toys intended for children under 36 months  |         |
| 5.1    | General requirements<br>(Remark: Small part was found. Therefore, the product should be warned in accordance with 7.2.)   | N/A     |
| 6      | Packaging   | N/A     |
| 7      | Warnings, markings and instructions for use<br>(Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold. Only English/ French was reviewed.)   |         |
| 7.1    | General<br>(Remark: The manufacturer shall mark the warnings in a clearly visible, easily legible and understandable and accurate manner on the product, on an affixed label or on the packaging.<br>In addition, the warnings shall be included in the instructions for use which accompany the product.<br>A toy shall not bear a warning that conflicts with the intended use of the toy, as determined by virtue of its function, dimension and characteristics.<br>The warnings shall be preceded by the words "Warning" or "Warnings", as appropriate. The word "Warning" or "Warnings" may be followed by e.g. an exclamation mark.<br>Warnings which determine the decision to purchase the toy shall appear on the consumer packaging or be otherwise clearly visible to the consumer before the purchase.<br>Small toys that are sold without packaging (for example from a display box or from a vending machine) shall have the appropriate warnings affixed to them. In all cases the warning shall be clearly legible at the point of sale.<br>It is not sufficient to place the warning(s) only on a display box.<br>NOTE The requirement that warnings must be clearly visible to the consumer at the time of purchase applies also in cases where the purchase is made on-line (e.g. internet) or by catalogue or by other means where the buyer does not have access to the toy at the time of purchase.) | PASS    |

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**TEST RESULTS**

7.2 Toys not intended for children under 36 months PASS  
 (Remark: Small part was found after abuse test. It is acceptable, because appropriate warning was found on the packaging.)

Remark : 1. Only applicable clauses were shown.  
 2. N/A = Not applicable.  
 3. \*\* = Visual examination only.

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

Summary table:

|                        | Observation Result | Location      |
|------------------------|--------------------|---------------|
| CE mark                | Present            | Packaging     |
| Manufacturer's Name    | Absent             | Toy/Packaging |
| Manufacturer's Address | Absent             | Toy/Packaging |
| Importer's Name        | Present            | Packaging     |
| Importer's Address     | Present            | Packaging     |
| Product ID             | Present            | Packaging     |

**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. 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 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.

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TEST RESULTS

EN71-3 : 2013 - Migration of certain elements

Category III : Scrapped-off toy material

Method : With reference to EN-71-3 : 2013. Analysis of general elements was performed by ICP-OES and ICP-MS. Chromium (III) was obtained by calculation ,chromium (VI) was analyzed by UV-VIS.

| Analysis                     |           | Result (mg/kg) |               |               | Limit (mg/kg) |
|------------------------------|-----------|----------------|---------------|---------------|---------------|
|                              |           | Sample (1)     | Sample (2)    | Sample (3)    |               |
| Aluminium (Al)               | (Soluble) | <10            | 126           | 596           | 70,000        |
| Antimony (Sb)                | (Soluble) | <15            | <15           | <15           | 560           |
| Arsenic (As)                 | (Soluble) | <15            | <15           | <15           | 47            |
| Barium (Ba)                  | (Soluble) | <5             | <5            | <5            | 18,750        |
| Boron (B)                    | (Soluble) | <10            | <10           | <10           | 15,000        |
| Cadmium (Cd)                 | (Soluble) | <5             | <5            | <5            | 17            |
| Chromium (Cr)                | (Soluble) | 0.5            | <0.2          | <0.2          | --            |
| Chromium (III) (Cr (III))*** | (Soluble) | 0.5            | Not conducted | Not conducted | 460           |
| Chromium (VI) (Cr (VI))***   | (Soluble) | <0.2           | Not conducted | Not conducted | 0.2           |
| Cobalt (Co)                  | (Soluble) | <10            | <10           | <10           | 130           |
| Copper (Cu)                  | (Soluble) | <10            | <10           | <10           | 7,700         |
| Lead (Pb)                    | (Soluble) | <5             | <5            | <5            | 160           |
| Manganese (Mn)               | (Soluble) | <10            | <10           | <10           | 15,000        |
| Mercury (Hg)                 | (Soluble) | <5             | <5            | <5            | 94            |
| Nickel (Ni)                  | (Soluble) | <10            | <10           | <10           | 930           |
| Selenium (Se)                | (Soluble) | <15            | <15           | <15           | 460           |
| Strontium (Sr)               | (Soluble) | <10            | <10           | <10           | 56,000        |
| Tin (Sn)                     | (Soluble) | <10            | <10           | <10           | 180,000       |
| Organic Tin <sup>^</sup>     | (Soluble) | Not conducted  | Not conducted | Not conducted | 12            |
| Zinc (Zn)                    | (Soluble) | <10            | <10           | <10           | 46,000        |
| Conclusion                   |           | PASS           | PASS          | PASS          |               |

Sample description :

1. Black coating from wheel
2. Natural wood with lacquer coating
3. Metal (axle) (small part after abuse test)

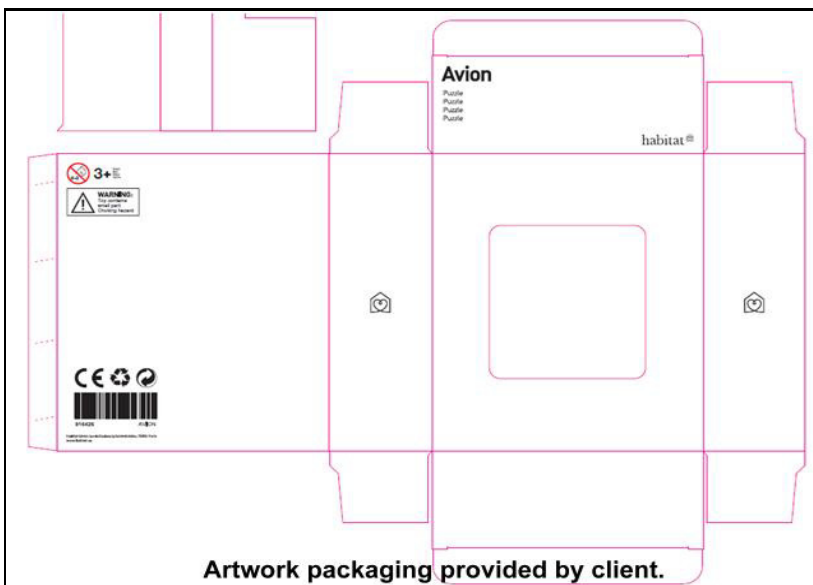
Remark : 1. Results shown are based on the total weight of dry sample.

2. < = Less than
3. 1 mg/kg = 1 ppm (part per million)
4. \*\*\* = Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013
5. ^ = Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013.

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SAMPLE/ATTACHMENT PICTURE



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

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