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LABORATORY OF MATERIAL
ENGINEERING AND ENVIRONMENT



AB 910

REPORT No. 625/DLS/2015

Testing the completeness of markings and warnings on
JollyHeap blocks toy, delivered for testing by "JollyHeap" Svitlana Sapunova

Orderer: "JollyHeap" Svitlana Sapunova Project No: UP/DLS-19672/OR2
ul. Kawalerzystów 8 lok. 5
53-004 Wrocław, Poland

Name of tested object	Sample of "JollyHeap" blocks toy
Orderer markings:	JollyHeap
Number of sample according to R-DLS/7:	625/15/P1



Date of delivery of the object for testing: 14.12.2015
Date of beginning the tests / tests completion: 16.12.2015 / 22.12.2015
Place of testing: Laboratory of Material Engineering and Environment

Sample number	Conformity / nonconformity with the requirements
PN-EN 71-1:2015-01 Standard "Safety of toys. Part 1. Mechanical and physical properties"	
625/15/P1	item 7.1 Warnings, markings and instruction for use. General +

signs: "+" – conform to the requirements "-" – not conform to the requirements

Note: Confirmation of conformity with the requirements is based on a confidence level of 95% for the expanded uncertainty of measurement results on which the decision of conformity is based.

Leader of testing team: Robert Wojtynek, M.Sc. Eng.
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Members of testing team: Bożena Rakwicz, Ph.D. Eng.
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Kierownik Laboratorium
Inżynierii Materiałowej i Środowiska

dr hab. inż. Beata Gryniewicz-Bylina
prof. nadzw. ITG KOMAG

Gliwice, 22.12.2015

/ signature and stamp /

TEST REPORT INCLUDES ONLY THE RESULTS, WHICH ARE RELATED TO THE TESTED OBJECT.
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Description of sample

Dimensions: instruction: length x width: 296 mm x 210 mm
sticker: length x width: 64 mm x 34 mm

Sample form paper instruction and a sticker placed on the toy.
The sample was taken and delivered for testing by the Orderer.

Information and markings on the sticker adhere to the toy:

- name and address of the manufacturer,
- name and number of toy,
- CE mark,
- symbol: “do not wash”, “do not bleach”, “do not iron”, “do not tumble dry”, “do not dry clean”.

Information and marks on the instruction:

- name and address of the manufacturer,
- CE mark,
- information about age limit: “12m+”,
- symbol: “do not wash”, “do not bleach”, “do not iron”, “do not tumble dry”, “do not dry clean”.
- information:

„Instruction manual for the toy JollyHeap

1. Description

Our firm offers a high-quality European toy JollyHeap – a magnetic construction set which will help your child create beautiful and interesting things independently. Such sets occupy an important place among educational toys. They enable children to learn about: colours; shapes; magnetism; logical connections between various elements.

By playing with a magnetic construction set, not only do children create various structures, two and three dimensional constructions, but also develop manual dexterity, attention, spatial imagination, associative thinking and patience.

All parts of the construction set are big and easy to use, they fit the hands of a child. This series of toys is made of strong and safe material and goes through thorough quality checks. Powerful magnets of customized stainless alloy are built into every part of the set. The toy JollyHeap provides maximum comfort and positive emotions for your child with the help of bright and vivid design.

2. Usage

In order to connect the details of the construction set, all you have to do is align them at any flat surfaces. Due to the fact that the toy JollyHeap consists of different kinds of geometric shapes, the only thing which limits their application is the child's imagination. The constructions maintain their shape well and are also easy to disassemble.

3. Maintenance

In order to prevent dust from collecting on the cubes, you should clean them with a vacuum cleaner regularly.

After cleaning them with a vacuum cleaner, wipe them with a humid (but not wet!) cloth on each side.

If you need to get rid of stains, you can use textile stain removers.

Additional information: The product is made of high-quality certified child-friendly materials. Recommended for children over the age of +12m. The set is packed in a polythene bag, total size: 42.5*35*60 cm, weight 1.5 kg. The number of items: 100. Manufactured in: Poland.

4. Precautions. Do not open the cubes (contain small parts, to avoid swallowing of magnets by a child). Do not leave in direct sunlight for a long time. Do not set on fire and do not play near fire. Do not play with a constructor near magnetic medium (floppy disks, flash drivers, computer hard drives, magnetic cards of any type); the information stored on them can be irretrievably lost. Remember that powerful field of magnets can damage different types of measuring instruments, electric motors, cardiac pacemakers, hearing aids, various electronics, mechanical watches, mobile telephones and TV sets. To prevent damage of the physical properties of the product, it must be stored in the non-collapsed form. Must be stored according to the polarization of the magnets and the colour scheme.

Range and methods of testing

Item	Tested parameters	Testing methods	Standard:
1.	height of the letters	direct measurement	PN-EN 71-1:2015-01: item 7 (A.33)

Note: measurement uncertainty U is an extended uncertainty at confidence level 95% and coverage factor k=2, according to the general instruction IO-DLS/03.

Test results

During testing the completeness of marking and warnings, the condition of "JollyHeap " blocks toy, sample 625/15/P1, did not change.

Item	Sample name	Sample number	Name of test	Test result
Results of testing the mechanical and physical properties for conformity with the requirements of the PN-EN 71-1:2015-01 Standard				
1.	"JollyHeap " blocks toy	625/15/P1	direct measurements	height of the letters of CE marking on the sticker is (7.4±0.2) mm
2.				height of the letters of CE marking on the instruction is (7.4±0.2) mm

Note: measurement uncertainty U is an extended uncertainty at confidence level 95% and coverage factor k=2, according to the general instruction IO-DLS/03.

The results and their uncertainty refer only to the tested sample and do not refer to the product batch/ substance/ material the sample was taken from.

Copies – 2

"JollyHeap" Svitlana Sapunova x 1

KOMAG x 1

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