



# Test Report

Report No.: SZC14072580901-1

Date: July 29, 2014

Page 1 of 6

Applicant: Gemious Ltd

Address: Dumie Dykes, Backmuir of Liff, By Birkhill, Dundee, DD2 5QR

## Report on the submitted sample(s) said to be:

Sample Name: Wavy Bangle  
Sample Description: Blue silicone(Wavy Bangle)  
Sample Material: Silicone  
Manufacturer: /  
General Description and function: Blue silicone(Wavy Bangle)  
Material: Silicone  
Battery: /  
Packaging Type: /  
Instruction Manual/Sheet: No  
Labeled Age Grading: Not state  
Requested Age Grading: Not state  
Age Group Applied in Testing: All ages  
Sample No.: QT1407258090101  
Sample Received Date: July 25, 2014  
Testing Period: July 25, 2014 - July 29, 2014

**Test Requested:** Please refer to the following page(s);

**Test Method:** Please refer to the following page(s);

**Test Result:** Please refer to the following page(s).

Checked by

Angela

Signed for and on behalf of HCT



Michael  
Laboratory Manager



# Test Report

Report No.: SZC14072580901-1

Date: July 29, 2014

Page 2 of 6

## Test Requested:

For compliance with the European Standard on Safety of Toys:

- EN71-1: 2011+A3: 2014-Mechanical and Physical Properties
- EN71-2: 2011+A1: 2014-Flammability of Toys
- EN71-3:2013-Migration of Certain Elements
- Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark ( name, address), product identification) according to the Directive 2009/48/EC-Safety of toys

## Result

PASS

PASS

PASS

See Remark

\*\*\*\*\*For Further Details, Please Refer To the Following Pages\*\*\*\*\*





# Test Report

Report No.: SZC14072580901-1

Date: July 29, 2014

Page 3 of 6

## Test Results:

### EN71-1: 2011+A3: 2014-Mechanical and Physical Properties

Section	Description	Result
4	GENERAL REQUIREMENTS	
4.1	Materials.....	Pass
4.7	Edges.....	Pass
4.8	Points and Metallic Wires.....	Pass
5	Toys intended for Children under 36 months.....	Pass
5.1	General Requirements.....	Pass
5.1a	Small part requirement 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
	Sharp edge (Test method 8.11).....	Pass
	Sharp point (Test method 8.12) .....	Pass
5.1f	Splinters.....	Pass
5.1g	The casing of toys intended for children too young to sit up unaided.....	Pass

### EN71-2: 2011+A1: 2014-Flammability of Toys

Section	Description	Result
4.1	General requirements.....	Pass

N.B.: Only applicable clauses were shown.





# Test Report

Report No.: SZC14072580901-1

Date: July 29, 2014

Page 4 of 6

**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
CE mark	Present	Absent
Name & Address	Absent	Absent
Product ID	Absent	Absent

CE mark, importer / manufacturer mark (name, address), product identification	See Remark
<b>(Remark2:</b> 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 packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.	
<b>Remark3:</b> 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

Report No.: SZC14072580901-1

Date: July 29, 2014

Page 5 of 6

## EN71-3:2013-Migration of Certain Elements

### Migration of certain elements

Acid extraction method: With reference to EN 71 part 3:2013.

Instruments used for analysis: ICP-OES, ICP-MS, GC-MS and IC/UV-VIS.

### Scraped-off toy material -19 heavy elements migration:

Unit: mg/kg

Tested Items	MDL	Result	Limit in EN 71-3
Aluminium(Al)	50	N.D.	70000
Antimony(Sb)	10	N.D.	560
Arsenic(As)	5	N.D.	47
Barium(Ba)	50	N.D.	18750
Boron(B)	50	N.D.	15000
Cadmium (Cd)	5	N.D.	17
Chromium (III) (Cr(III))	5	N.D.	460
Chromium (VI) (Cr(VI))	0.2	N.D.	0.2
Cobalt(Co)	10	N.D.	130
Copper(Cu)	50	N.D.	7700
Lead(Pb)	10	N.D.	160
Manganese(Mn)	50	N.D.	15000
Mercury(Hg)	10	N.D.	94
Nickel(Ni)	10	N.D.	930
Selenium (Se)	10	N.D.	460
Strontium(Sr)	50	N.D.	56000
Tin(Sn)	50	N.D.	180000
Organic tin	1	N.D.	12
Zinc(Zn)	50	N.D.	46000

**Note:** -MDL=Method Detection Limit

-N.D.=Not Detected (less than method detection limit)

-mg/kg = ppm=parts per million





# Test Report

Report No.: SZC14072580901-1

Date: July 29, 2014

Page 6 of 6

## The photo of the sample



\*\*\*End\*\*\*

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