



Test Report

Report No.: SZC15061980902-16

Date: June 25, 2015

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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: cuff
Sample Description: Red silicone
General Description and function: Red silicone
Material: Silicone
Battery: /
Packaging Type: /
Instruction Manual/Sheet: No
Labeled Age Grading: Not stated
Requested Age Grading: Not stated
Age Group Applied in Testing: All ages
Sample No.: QT1506198090206
Sample Received Date: June 19, 2015
Testing Period: June 19, 2015 - June 25, 2015

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

Angela

Signed for and on behalf of HCT

Michael

Michael

Laboratory Manager





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Test Requested:	Result
For compliance with the European Standard on Safety of Toys:	
- EN71-1: 2014-Mechanical and Physical Properties	PASS
- EN71-2: 2011+A1: 2014- Flammability of Toys	PASS
- EN71-3:2013 + A1:2014-Migration of Certain Elements	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 Remark

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





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Test Result(s):

EN71-1: 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	The casing of toys intended for children too young to sit up unaided	Pass
5.8	Shape and size of certain toys	Pass

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

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





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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
Washing/Cleaning instruction	Absent	Absent
CE mark	Absent	Absent
Name & Address	Absent	Absent
Product ID	Absent	Absent

Washing/Cleaning Label	See Remark
<p>(Remark: According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: 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 toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.)</p>	
CE mark, importer / manufacturer mark (name, address), product identification	See Remark
<p>(Remark1: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.</p> <p>Remark2: 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.</p> <p>Remark3: 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.)</p>	

N.B.: Only applicable clauses were shown.





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EN71-3:2013 + A1:2014-Migration of Certain Elements

Acid extraction method: With reference to EN71-3:2013 + A1:2014.

Instruments used for analysis: ICP-OES/ICP-MS/GC-MS/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	1058	46000

Note: -MDL=Method Detection Limit mg/kg = ppm=parts per million

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

-*= Organic tin includes Dibutyltin (DBT), Tributyltin (TriBT), Dioctyltin (DOT), Monoctyltin (MOT), Triphenyltin (TPhT), Diphenyltin (DPhT), Methyltin (MET), Tetrabutyltin (TeBT), Dipropyltin (DProT), Butyltin (BuT).

- Result(s) of specimen(s) is(are) quoted from HCT report No.SZC15061980902-1.



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The photo of the sample



End

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