

Test Report

No.: EM160921023CE003

Date: Sep.22,2016

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Applicant : CNEX AIE SL

Address : C/ Mendez Nuñez,4908302 Mataró - Barcelona – Spain

Sample Name : Massager

Model : 30014 (main test) , 20537, 20519, 20529, 20469

Labeled Age Grading : No specified

Requested Age Grading : 3+

Age Group Applied in Testing : Over 3 years

Destination : Not provided

Country of Origin : Not provided

Received Date : Sep.21,2016

Test Period : Sep.21,2016 ~ Sep.22,2016

Test Requested : As specified by client, in accordance with the requirements of EU Toy Safety Directive 2009/48/EC, EU Commission Directive 2012/7/EC, to perform the related testing.

- 1) EN71-1: 2014 – Physical and Mechanical Requirements
- 2) EN71-2: 2011+A1:2014 – Flammability Requirements
- 3) EN71-3: 2013+A1:2014 – Migration of certain elements

Test Results : Please refer to next page (s).

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Executive Summary:

STANDARD	CONCLUSION
1) EN71-1: 2014 – Physical and Mechanical Requirements	PASS
2) EN71-2: 2011+A1:2014 – Flammability Requirements	PASS
3) EN71-3: 2013+A1:2014 – Migration of certain elements	PASS

Signed for and on behalf of
EMTEK (Shenzhen) Co., Ltd.

Tested by:

Leon

Leon

Test engineer

Reviewed by:

Howar

Howar

Technical supervisor

Approved by:



Pascal Shi

Authorized signatory

Sep.22,2016

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Test Result:

1) Mechanical and Physical Properties:

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 1: 2014

Clause	Description	Result
4	General requirements	
4.1	Material cleanliness (by visual assessment)	Pass
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding Materials	N/A
4.7	Edges	Pass
4.8	Points and Metallic Wires	Pass
4.9	Protruding parts	N/A
4.10	Parts moving against each other:	
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14	Enclosures:	
4.14.1	Toys which a child can enter	N/A
4.14.2	Masks and helmets	N/A
4.15	Toys intended to bear the mass of a child:	
4.15.1	Toys propelled by a child or by other means	N/A
4.15.2	Toy bicycles	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	N/A
4.15.5	Toy scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.18	Aquatic toys and inflatable toys	N/A

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Clause	Description	Result
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	N/A
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
5	Toys intended for children under 36 months	
6	Packaging	N/A
7	Warnings, markings and instructions for use	
7.1	General	N/A
7.2	Toys not intended for children under 36 months	N/A
7.3	Latex Balloons	N/A
7.4	Aquatic toys	N/A
7.5	Functional Toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectiles	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	N/A
7.12	Liquid-filled teethers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toy bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toys with electrical cables exceeding 300mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A

N/A = Not Applicable

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Test Results:

2) Flammability of Toys:

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2:2011+A1:2014

Clause	Description	Result
4	Requirements	
4.1	General requirements	Pass
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by a child in play	N/A
4.4	Toys intended to be entered by a child	N/A
4.5	Soft-filled toys	N/A

N/A = Not Applicable

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Test Results:

- 3) Test Method: To refer to the EN 71-3:2013+A1:2014, Soluble elements were analyzed by ICP-MS. Chromium(III), Chromium(VI) were analyzed by LC-ICP-MS. Organic Tin were analyzed by GC-MS.

Test Item	Result(mg/kg)	MDL (mg/kg)
	Rose red silica gel	
Aluminum (Al)	ND	10
Antimony (Sb)	ND	10
Arsenic (As)	ND	10
Barium (Ba)	ND	10
Boron (B)	ND	10
Cadmium (Cd)	ND	10
Chromium (Cr ³⁺)#	ND	10
Chromium (Cr ⁶⁺)#	ND	0.2
Cobalt (Co)	ND	10
Copper (Cu)	ND	10
Lead (Pb)	ND	10
Manganese (Mn)	ND	10
Mercury (Hg)	ND	10
Nickel (Ni)	ND	10
Selenium (Se)	ND	10
Strontium (Sr)	ND	10
Tin (Sn)	ND	10
Organic Tin*	ND	3
Zinc (Zn)	ND	10

- Remark: 1. mg/kg = milligram per kilogram = ppm ND = Not Detected (less than MDL)
 MDL = Method Detection Limit
2. #Soluble Chromium (III) and Soluble Chromium (VI) were reported as Soluble Total Chromium, further confirmation test will be required when Total Chromium is detected.
3. *Soluble Organic Tin was reported as Soluble Tin, further confirmation test will be required when Soluble Tin is detected.
4. All the materials tested belong to scraped-off toy material by identifying.

Remark: As specified by the client, the results were quoted from report EM160830049FE005 .

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Requirement of migration of certain elements content according to EN 71-3:2013+A1:2014:

Parameter	Dry, brittle, powder-like or pliable toy material (mg/kg)	Liquid or sticky toy material (mg/kg)	Scraped-off toy material (mg/kg)
Aluminum	5625	1406	70000
Antimony	45	11.3	560
Arsenic	3.8	0.9	47
Barium	1500	375	18750
Boron	1200	300	15000
Cadmium	1.3	0.3	17
Chromium (III)	37.5	9.4	460
Chromium Cr(VI)	0.02	0.005	0.2
Cobalt	10.5	2.6	130
Copper	622.5	156	7700
Lead	13.5	3.4	160
Manganese	1200	300	15000
Mercury	7.5	1.9	94
Nickel	75	18.8	930
Selenium	37.5	9.4	460
Strontium	4500	1125	56000
Tin	15000	3750	180000
Organic tin	0.9	0.2	12
Zinc	3750	938	46000

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Sample Photos



10993



11029



11013



11003

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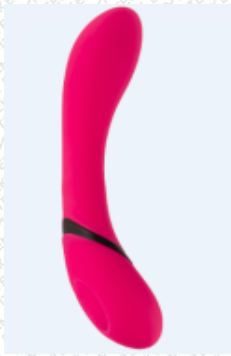
11043



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20439



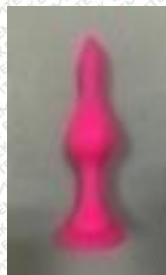
30539



20537



20519



20529



20469

*** End of Report ***

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