

# Test Report

No.: EM190611036CE001

Date: Jun. 18, 2019

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**Applicant** : ALGOBRIX  
**Address** : HA PRAT 2, YAVNE

**Sample Name** : See list  
**Model** : See list  
**Labeled Age Grading** : No specified  
**Requested Age Grading** : From 0 to 12 years  
**Age Group Applied in Testing** : From 0 to 12 years  
**Destination** : Not provided  
**Country of Origin** : Not provided

**Received Date** : Jun. 11, 2019  
**Test Period** : Jun. 11, 2019 ~ Jun. 18, 2019

**Test Requested** : As specified by client, in accordance with the requirements of EU Toy Safety Directive 2009/48/EC, to perform the related testing.  
1. EN 71-1: 2014+A1:2018 – Mechanical and Physical Properties  
2. EN 71-2: 2011+A1:2014 – Flammability

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

**Executive Summary:**

STANDARD	CONCLUSION
1. EN 71-1: 2014+A1:2018 – Mechanical and Physical Properties	PASS
2. EN 71-2: 2011+A1:2014 – Flammability	PASS

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

Tested by: Lynn  
Liu Qiuli, Lynn  
Assistant engineer

Reviewed by: Jay  
Yu Chunhua, Jay  
Technical supervisor

Approved by: Jerry  
Liu Yang, Jerry  
Authorized signatory  
Jun. 18, 2019

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## Sample Name & Model:

No.	Sample Name	Model
1	Brain	Brain
2	Motor	Motor
3	LED	LED
4	Distance Sensor	Distance Sensor
5	Sound Sensor	Sound Sensor
6	Play	Play
7	Move FB Family: Function Block	Move FB Family: Function Block
8	LED FB Family: Function Block	LED FB Family: Function Block
9	Wait FB Family: Function Block	Wait FB Family: Function Block
10	Stop FB Family: Function Block	Stop FB Family: Function Block
11	Open Loop FB Family: Loop	Open Loop FB Family: Loop
12	Close Loop FB Family: Loop	Close Loop FB Family: Loop
13	Move Param Family: Parameter	Move Param Family: Parameter
14	LED Param Family: Parameter	LED Param Family: Parameter
15	Wait Param Family: Parameter	Wait Param Family: Parameter
16	Stop Param Family: Parameter	Stop Param Family: Parameter
17	Loop Param Family: Parameter	Loop Param Family: Parameter

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## Test Results:

### 1. EN 71-1:2014+A1:2018 Safety of Toys - Part 1: Mechanical and Physical Properties

As Specified in EN 71-1:2014+A1:2018 Safety of Toys - Part 1: Mechanical and Physical Properties

<u>Clause</u>	<u>Description</u>	<u>Result</u>
<b>4</b>	<b>General requirements</b>	
4.1	Material cleanliness .....	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

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<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.17	Projectiles	
4.17.1	General .....	N/A
4.17.2	All projectiles .....	N/A
4.17.3	Projectile toys with stored energy .....	N/A
4.17.4	Certain projectile toys without stored energy .....	N/A
4.18	Aquatic toys and inflatable toys .....	N/A
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	
4.23.1	General .....	N/A
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	N/A
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years .....	N/A
4.24	Yo-yo balls .....	N/A
4.25	Toys attached to food .....	N/A
4.26	Toy disguise costumes .....	N/A
4.27	Flying toys	
4.27.1	General .....	N/A
4.27.2	Rotors and propellers on flying toys .....	N/A
4.27.3	Rotors and propellers on remote controlled flying toys .....	N/A
<b>5</b>	<b>Toys intended for children under 36 months</b>	
5.1	General requirements .....	Pass
5.2	Soft-filled toys and soft-filled parts of a toy .....	N/A
5.3	Plastic sheeting .....	N/A
5.4	Cords, chains and electrical cables in toys	
5.4.1	General .....	N/A
5.4.2	Cords and chains in toys intended for children under 18 months .....	N/A
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	N/A
5.4.4	Fixed loops, tangled loops and nooses .....	N/A
5.4.5	Cords and chains on pull along toys .....	N/A

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<u>Clause</u>	<u>Description</u>	<u>Result</u>
5.4.6	Electrical cables .....	N/A
5.4.7	Cross-sectional dimension of certain cords .....	N/A
5.4.8	Self-retracting cords .....	N/A
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator .....	N/A
5.5	Liquid filled toys .....	N/A
5.6	Speed limitation of electrically-driven ride-on toys .....	N/A
5.7	Glass and porcelain .....	N/A
5.8	Shape and size of certain toys .....	N/A
5.9	Toys comprising monofilament fibres .....	N/A
5.10	Small balls .....	N/A
5.11	Play figures .....	N/A
5.12	Hemispheric shaped toys .....	N/A
5.13	Suction cups .....	N/A
5.14	Straps intended to be worn fully or partially around the neck .....	N/A
5.15	Sledges with cords for pulling .....	N/A
<b>6</b>	<b>Packaging</b> .....	N/A
<b>7</b>	<b>Warnings, markings and instructions for use</b>	
7.1	General .....	N/E
7.2	Toys not intended for children under 36 months .....	N/E
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	
7.10.1	Roller skates, inline skates and skateboards .....	N/A
7.10.2	Ride-on toys without a braking device .....	N/A
7.10.3	Electrically-driven ride-on toys .....	N/A
7.10.4	Instructions for use .....	N/A

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<u>Clause</u>	<u>Description</u>	<u>Result</u>
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator .....	N/A
7.12	Liquid-filled teethingers .....	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 $\geq 18$ months and $< 36$ months .....	N/A
7.23	Toys intended to be attached to a cradle, cot or perambulator .....	N/A
7.24	Sledges with cords for pulling .....	N/A
7.25	Flying toys	
7.25.1	Flying toys .....	N/A
7.25.2	Remote controlled flying toys .....	N/A
7.26	Improvised projectiles .....	N/A

N/A = Not Applicable, N/E = Not Evaluated

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**Test Results:**

**2. EN 71-2:2011+A1:2014 Safety of Toys - Part 2: Flammability**

As Specified in EN 71-2:2011+A1:2014 Safety of Toys - Part 2: Flammability

<u>Clause</u>	<u>Description</u>	<u>Result</u>
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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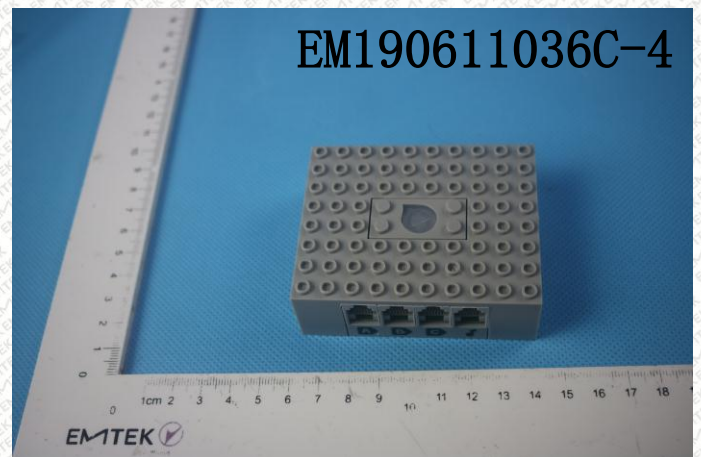
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## Sample Photos:



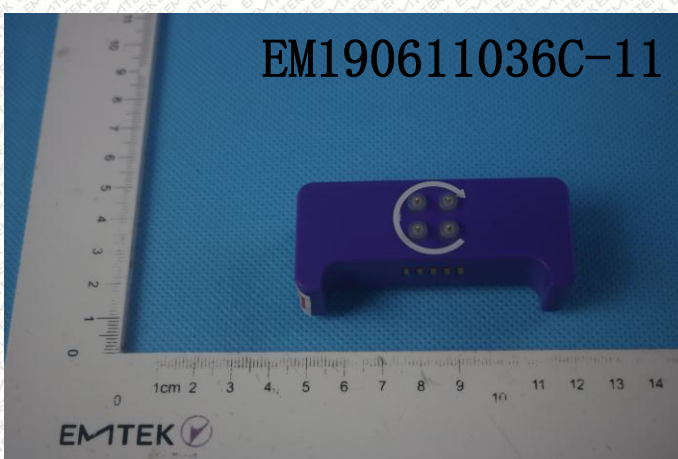
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