

# TEST REPORT

No.:ED190422995C007

Date: June 24, 2019

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**Applicant** : SHENZHEN GREATFAVONIAN ELECOTRONIC CO.,LTD  
**Address** : 5F,TONGFUYU INDUSTRIAL PARK,LEZHUJIAO,ZHOUSHI ROAD,  
 BAOAN DISTRICT,SHENZHEN,GUANGDONG,CHINA 518126  
**Sample Name** : Remote controlled led foam stick  
**Style/Item No.** : Z02  
**Material** : ABS+EPE  
**Supplier** : Shenzhen Greatfavian Elecotron Co.,Ltd  
**Description** : 40\*4.5cm,button switch,button cell batteries inside,remote controlled  
**Labeled Age Grading** : Ages 5 & Up  
**Requested Age Grading** : Ages 5 & Up  
**Age Group Applied in Testing** : Over 5 years  
**Sample Received Date** : April 22, 2019  
**Testing Completed Date** : June 24, 2019  
**Test Requested** : As specified by the client, For compliance with the test requirement of  
 ASTM F963-17 Standard Consumer Safety Specification on Toy Safety.  
**Test Results** : Please refer to next page (s).

**Executive Summary:**

STANDARD	CONCLUSION
ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS

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

Prepared by: Cherry  
Cherry Zhu  
Report Engineer

Reviewed by: Carrie  
Carrie Zhang  
Supervisor

Approved by: Lisa  
Lisa Li  
Manager

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## Test Results:

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clause	Description	Result
4.	<u>Safety Requirements</u>	
4.1	Material Quality(Visual Examination).....	Pass
4.2	Flammability .....	Pass (See Note 1)
4.3	Toxicology	
4.3.1	Hazardous Substances .....	N/A
4.3.2	Manufacturing and Packaging of Food .....	N/A
4.3.3	Indirect Food Additives .....	N/A
4.3.4	Cosmetics .....	N/A
4.3.5	Heavy Elements .....	Pass (See Note 2)
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels and Powders .....	N/A
4.3.7	Stuffing Materials.....	N/A
4.3.8	DEHP .....	N/A
4.4	Electrical/Thermal Energy.....	N/A
4.5	Sound-producing Toys.....	N/A
4.6	Small Objects	
4.6.1	Toys that are intended for children under 36 months of age.....	N/A
4.6.2	Mouth-Actuated Toys.....	N/A
4.6.3	Toys and games that are intended for use by children who are at least three years old but less than six years of age.....	N/A
4.7	Accessible Edges.....	Pass
4.8	Projections.....	N/A
4.9	Accessible Points.....	Pass
4.10	Wires or Rods .....	N/A
4.11	Nails and Fasteners.....	Pass
4.12	Plastic Film.....	N/A
4.13	Folding Mechanisms and Hinges.....	N/A
4.14	Cords, Straps, and Elastics .....	N/A
4.15	Stability and Over-Load Requirements.....	N/A
4.16	Confined Spaces.....	N/A
4.17	Wheels, Tires and Axles.....	N/A
4.18	Holes, Clearance and Accessibility of Mechanisms.....	N/A
4.19	Simulated Protective Devices.....	N/A
4.20	Pacifiers.....	N/A
4.21	Projectile Toys.....	N/A
4.22	Teethers and Teething Toys.....	N/A
4.23	Rattles.....	N/A
4.24	Squeeze Toys.....	N/A
4.25	Battery-Operated Toys.....	Pass
4.26	Toys Intended to be Attached to a Crib or Playpen.....	N/A
4.27	Stuffed and Beanbag-Type Toys.....	N/A
4.28	Stroller and Carriage Toys.....	N/A

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Clause	Description	Result
4.29	Art Materials.....	N/A
4.30	Toy Gun Marking.....	N/A
4.31	Balloons.....	N/A
4.32	Certain Toys with Nearly Spherical Ends.....	N/A
4.33	Marbles.....	N/A
4.34	Balls.....	N/A
4.35	Pompoms.....	N/A
4.36	Hemispheric-Shaped Objects.....	N/A
4.37	Yo-Yo Elastic Tether Toys.....	N/A
4.38	Magnets .....	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels.....	N/A
4.40	Expanding Materials.....	N/A
4.41	Toy Chests.....	N/A
5.	<u>Safety Labeling Requirements</u>	
5.1	Federal Government Requirements.....	N/A
5.2	Age Grading Labeling.....	Pass
5.3	Safety Labeling Requirements .....	N/A
5.4	Aquatic Toys.....	N/A
5.5	Crib and Playpen Toys.....	N/A
5.6	Mobiles.....	N/A
5.7	Stroller and Carriage Toys.....	N/A
5.8	Toys Intended to be Assembled by an Adult.....	N/A
5.9	Simulated Protective Devices.....	N/A
5.10	Toys with Functional Sharp Edges or Points.....	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons.....	N/A
5.12	Toy Caps.....	N/A
5.13	Art Materials.....	N/A
5.14	Electric Toys.....	N/A
5.15	Battery-Operated Toys.....	N/A
5.16	Promotional Materials.....	Pass
5.17	Magnets .....	N/A
6.	<u>Instructional Literature</u>	
6.1	Definition and Description.....	Pass
6.2	Crib and Playpen Toys.....	N/A
6.3	Mobiles.....	N/A
6.4	Toys Intended to be Assembled by an Adult.....	N/A
6.5	Battery-Operated Toys.....	Pass
6.6	Battery Powered Ride-on Toys.....	N/A
6.7	Toys in contact with Food.....	N/A
6.8	Toy Chests.....	N/A
7.	<u>Producer's Markings</u>	
7.1	Producer's Markings .....	Pass
7.2	Battery-Powered Ride-on Toys.....	N/A
7.3	Toy Chests.....	N/A

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Clause	Description	Result
8.	<u>Test Method</u>	
8.5	Normal Use Testing.....	<u>Pass</u>
8.5.1	Washable Toys.....	<u>N/A</u>
8.7	Impact Test.....	<u>Pass</u>
8.8	Torque Test.....	<u>Pass</u>
8.9	Tension Test.....	<u>Pass</u>
8.9.1	Seam Test.....	<u>N/A</u>
8.10	Compression Test.....	<u>N/A</u>
8.12	Flexure Test.....	<u>N/A</u>
8.16	Tension Test for Pompoms.....	<u>N/A</u>

N/A = Not Applicable

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**Test Results:**Note 1

Flammability Requirements

ASTM F963-17 – Flammability test (Clause 4.2)Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
Remote controlled led foam stick	IBE	0.1

IBE = Ignite But Self-Extinguished

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## Test Results:

### Note 2

Heavy Elements

Remark: After normal use and abuse test, no metallic component (small part) was found.

Heavy metal content in Toy Substrate Materials: ASTM F963-17 Section 4.3.5.2

Test Method: Samples were extracted in diluted hydrochloric acid in accordance with ASTM F963-17 (CLAUSE 8.3), and the analysis was performed by ICP-OES.

Test Item	Total	Soluble							
	Pb	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Requirement (mg/kg)	100	60	25	1000	75	60	90	60	500
Test Item No.	Adjusted Soluble Result (mg/kg)								
1	<2	<2	<2	<2	<2	<2	<2	<2	<2
2	<2	<2	<2	<2	<2	<2	<2	<2	<2
3#	<2	---	---	---	---	---	---	---	---

Note: &lt; = Less than mg/kg = part per million = ppm

Remark: # = Accessible specimen(s) (glass, metal or ceramic) was (were) not small part, no requirement to test the soluble migrated element according to ASTM F963-17 Section 4.3.5.2(1).

## Tested Materials:

No.	Description
1	White hard plastic (bottom / button / battery cover)
2	White foam (body)
3	Silver metal (screw of battery cover)

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Photo Appendix



\* \* \* \* \* The End \* \* \* \* \*

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