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Applicant : eKids, LLC. / KIDDESIGNS INC.

Address : 1299, Main Street, Rahway, NJ 07065, U.S.A. : DISNEY FROZEN II LIGHT AND MUSIC SET **Sample Name**

Style/Item No. FR-300, FR-300.11Mv9M (FR-V111, FR-V124, FR-V165)

Factory DJ Toys

Labeled Age Grading 3+ **Requested Age Grading** 3+

Age Group Applied in Testing Over 3 years

Destination EU : CHINA **Country of Origin**

Sample Received Date July 17, 2019 **Testing Completed Date** July 30, 2019

Test Requested As requested by the client, according to the following standards to perform

the related testings.

EN71-1: 2014+A1: 2018 - Physical and Mechanical Properties

EN71-2: 2011+A1: 2014 - Flammability Test 2)

2009/48/EC - Toy Safety Directives Label Assessment 3)

EN71-3: 2019 - Migration of certain elements

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





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Executive Summary:

	STANDARD	CONCLUSION
1)	EN71-1: 2014+A1: 2018 – Physical and Mechanical Properties	PASS
2)	EN71-2: 2011+A1: 2014 – Flammability Test	PASS
3)	2009/48/EC – Toy Safety Directives Label Assessment	SEE RESULT
4)	EN71-3: 2019 – Migration of certain elements	PASS

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

Prepared by:

Kay Li

Report Engineer

Reviewed by:

Carrie Zhang Supervisor

Approved by:

Lisa Li Manager





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Test Results:

1) Mechanical and Physical Properties:

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 1: 2014+A1: 2018

Clause	Description	<u>1</u>	Result
4	General re	equirements	
4.1	Material cl	eanliness (by visual assessment)	<u>Pass</u>
4.2	Assembly.		N/A
4.3	Flexible pla	astic sheeting	N/A
4.4	Toy Bags		N/A
4.5	Glass		N/A
4.6	Expanding	Materials	N/A
4.7	Edges		<u>Pass</u>
4.8	Points and	Metallic Wires	<u>Pass</u>
4.9	Protruding	parts	N/A
4.10	Parts movi	ing 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	<u>N/A</u>
4.11	Mouth-actu	uated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons		<u>N/A</u>
4.13	Cords of to	by kites and other flying toys	N/A
4.14	Enclosures	S:	
	4.14.1	Toys which a child can enter	N/A
	4.14.2	Masks and helmets	<u>N/A</u>
4.15	Toys inten	ded 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	<u>N/A</u>
	4.15.4	Toys not propelled by a child	<u>N/A</u>
	4.15.5	Toy scooters	N/A
4.16	Heavy imn	nobile toys	N/A
4.17	Projectile t	oys	N/A
4.18	Aquatic to	ys and inflatable toys	N/A
4.19		n caps specifically designed for use in toys and toys using percussion	
	caps		N/A
4.20	Acoustics		<u>Pass</u>
4.21	Toys conta	aining a non-electrical heat source	N/A





Clause Description Result 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 4.26 Toy Disguise Costumes N/A 4.27 Flying toys N/A 5 Toys intended for children under 36 months N/A 5.1 General requirements N/A 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 N/A 5.5 Liquid filled toys N/A 5.6 Speed limitation of electrically-driven ride-on 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 Placy figur	No.: ED190	717032C001 Date: July 30, 2019	Page 4 of
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4.25 Toys attached to food	4.23	Magnets	<u>N/A</u>
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7.6 Hazardous sharp functional edges and points N/A 7.7 Projectile toys 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 otherwise intended to be strung across a cradle, cot, or perambulator N/A 7.12 Liquid-filled teethers N/A		경험 중심하다는 하는 이 중심하는 이 중심하는 아니는 아내는 아내는 아내는 아내는 아내는 아내는 아내는 아내는 아내는 아내	
7.7 Projectile toys			NOTE OF NEW
7.8 Imitation protective masks and helmets		2016 이 사용하다 10 시간 10	
7.9 Toy kites N/A 7.10 Roller skates, inline skates, skateboards and certain other ride-on toys N/A 7.11 Toys otherwise intended to be strung across a cradle, cot, or perambulator N/A 7.12 Liquid-filled teethers N/A		.N. E. P.	
7.10 Roller skates, inline skates, skateboards and certain other ride-on toys			
7.11 Toys otherwise intended to be strung across a cradle, cot, or perambulator		되어 있는 성지 하는 성지 없지 하는 것이 있는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하	LONG TO THE PARTY OF THE PARTY
7.12 Liquid-filled teethers		[발발하다] 이 아이들이 하면 1시 하는 1	ON A TEST OF A
7, (C. C. C		[인터 6] 인터, 언니전, 언니전, 언니전, 언니전, 언니전, 언니전, 인터, 인터, 인터, 아이트 6] 인터, 6] 인터	
		보고 있는데, 보고 있는데, 하는데, 하는데, 하는데, 하는데, 하는데, 하는데, 하는데, 하	





No.: ED190717032C001 Date: July 30, 2019 Page 5 of 11 Description Result Clause 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 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..... N/A 7.26 Improvised projectiles..... N/A

N/A = Not Applicable





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Test Results:

2) Flammability Test:

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

<u>Clause</u>	<u>Description</u>	Result
4	Requirements	
4.1	General requirements	<u>Pass</u>
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	<u>N/A</u>
4.4	Toys intended to be entered by a child	<u>N/A</u>
4.5	Soft-filled toys	<u>N/A</u>

N/A = Not Applicable

3) 2009/48/EC - Toy Safety Directives Label Assessment

Summary table:

	Observation Result	Location
Cleaning instruction	Not applicable	
CE- marking	Present	Packaging
Importer's name & address	Present	Packaging
Manufacturer's name & address	Present	Packaging
Product identification code	Present	Packaging

Note:

It is drawn to your attention that the name and address of manufacturer and importer in EEC country, toy's type, batch, serial, model number or other element allowing the identification and the advice statement for keeping relevant information together with CE-marking should appear as specified Directive 2009/48/EC.





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Test Results:

4) Test Method: Samples were extracted in diluted hydrochloric acid in accordance with EN71-3: 2019, the analysis was performed by ICP-MS.

Test Item	Result(mg/kg)		Reporting Limit	
i est item	1.	2	3	(mg/kg)
Aluminum (Al)	ND	ND	ND	2
Antimony (Sb)	ND	ND	ND	2
Arsenic (As)	ND	ND	ND	2
Barium (Ba)	ND	ND	ND	2
Boron (B)	ND	ND	ND	2
Cadmium (Cd)	ND	ND	ND	2
Chromium (Cr³+) #△	ND	ND	ND	0.2
Chromium (Cr ⁶⁺) #△	ND	ND	ND	0.2
Cobalt (Co)	ND	ND	ND	2
Copper (Cu)	ND	ND	ND	2
Lead (Pb)	ND	ND	ND	2
Manganese (Mn)	ND	ND	ND	2
Mercury (Hg)	ND	ND	ND	2
Nickel (Ni)	ND	ND	ND	2
Selenium (Se)	ND	ND	ND	2
Strontium (Sr)	ND	ND	ND	2
Tin (Sn)	ND	ND	ND	2
Organic Tin*	ND	ND	ND	2
Zinc (Zn)	ND	ND	ND	2





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Test Results:

Test Item		Result(mg/kg)		Reporting Limit
rest item	4	5	6	(mg/kg)
Aluminum (Al)	ND	ND	ND	2
Antimony (Sb)	ND	ND	ND	2
Arsenic (As)	ND	ND	ND	2
Barium (Ba)	ND	ND	ND	2
Boron (B)	ND	ND	ND	2
Cadmium (Cd)	ND	ND	ND	2
Chromium (Cr ³⁺) #△	ND	ND	ND	0.2
Chromium (Cr ⁶⁺) #△	ND	ND	ND	0.2
Cobalt (Co)	ND	ND	ND	2
Copper (Cu)	ND	ND	ND	2
Lead (Pb)	ND	ND	ND	2
Manganese (Mn)	ND	ND	ND	2
Mercury (Hg)	ND	ND	ND	2
Nickel (Ni)	ND	ND	ND	2
Selenium (Se)	ND	ND	ND	2
Strontium (Sr)	ND	ND	ND	2
Tin (Sn)	ND	ND	ND	2
Organic Tin*	ND	ND	ND	2
Zinc (Zn)	ND	ND	ND	2

- 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.
- 5. \triangle The test about this project was completed in EMTEK (Shenzhen) Co., Ltd. by subcontracting.





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Requirement of migration of certain elements content according to EN71-3: 2019:

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 / 0.053 ^a
Cobalt	10.5	2.6	130
Copper	622.5	156	7700
Lead	2	0.5	23
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

Remark: a = The migration limit for Chromium (VI) for Category III toy material (scraped-off toy material) has beenamended by Commission Directive (EU) 2018/725 [7]. The new limit value (0,053 mg/kg) applies from 2019-11-18. Before this date the limit value 0,2 mg/kg applies.





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Test Item List:

Item No.	Description		
1	Blue hard plastic (shell / microphone)		
2	White hard plastic (knob / buckle / frame of button)		
3	White hard plastic (microphone)		
4	4 White soft plastic (handle)		
5	White soft plastic (tail buckle)		
6	Black soft plastic (skin)		
7*	Blue coating on plastic (button / indicator)		

Remark: * = As specified in the EN 71-3:2019 Section Clause 7, the test portion sampled from one single sample(set) with the mass less than 10mg shall not be tested for soluble heavy metals contents.





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Photo Appendix





* * * * * The End * * * * *



答发测试报告条款

Conditions of Issuance of Test Reports

1. 东莞市信测科技有限公司(以下简称[本公司])为提供符合下述条款的测试和报告,而接受有关样品和货品。本公司基于下述条款提供服务,下述条款为本公司与申请服务的个人,企业或公司(以下简称[客户])的协议。

All samples and goods are accepted by the EMTEK (Dongguan) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").

2. 由此测试申请所发出的任何报告(以下简称[报告]),本公司会严格为客户保密。未经本公司的书面同意,报告的整体或部分不得复制,也不得用于广告或授权的其他用途。然而,客户可以将本公司印制的报告或认可的副本,向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求,否则未经客户同意,本公司不得将报告内容向任何第三方讨论或披露。

Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. 除非相关政府部门、法律或法院要求,否则未经公司预先书面同意,本公司毋需,也并无义务到法院对有关报告作证。

The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. 除非本公司进行抽样,并已在报告中说明,否则报告中适用于送测的样品(样品信息为客户提供),不适用于批量。

The Report refers only to the tested sample (Sample information is provided by customer) and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.

5. 如果本公司确定报告被不当地使用,本公司保留撤回报告的权利,并有权要求其它适当的额外赔偿。

In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. 本公司接受样品进行测试的前提是,该测试报告不能作为针对本公司法律行动的依据。

Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. 如因使用本公司中心任何报告内的资料,或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害,本公司概不负责。

The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. 若需要在法院审理程序或者仲裁过程中使用测试报告,客户必须在提交测试样品前将该意图告知本公司。

Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. 该测试报告的支持数据和信息本公司保存10年。个别评审机构有特别要求的,检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限,数据和信息将被处理掉。任何情况下,本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害,本公司在任何情况下也不必承担任何损害,包括(但不限于)补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权(包括疏忽)、产品责任或其他原因的惩罚性损害。

Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

10. 报告的签发记录可通过登录http://www.emtek.com.cn/zhengshuchaxun.html查询。如需进一步查询报告有效性或核实报告,需与本公司联系。

Issuance records of the Report are available on the internet at

http://www.emtek.com.cn/zhengshuchaxun.html. Further enquiry of validity or verification of the Report should be addressed to the company.