

Test Report

No.: EDG2206100096C00401R

Date: Jul. 06, 2022

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Applicant : JOYIN INC.

Address : 7650 S MCCLINTOCK DR, STE 103-219, TEMPE, AZ 85284

Sample Name : Sloosh Pool Float & Water Slide & Sprinkler

Style/Item No. : 40067, 40068, 40074, 40091, 40098

Labeled Age Grading : 3+ & 9+

Requested Age Grading : 3+

Age Group Applied in Testing : Over 3 years

Received Date : Jun. 13, 2022

Test Period : Jun. 13, 2022 ~ Jul. 06, 2022

Test Requested : As requested by the client, according to the following standards to perform the related testings.

- 1) EN71-1: 2014+A1: 2018 – Physical and Mechanical Tests
- 2) EN 71-2: 2020 – Flammability Test
- 3) 2009/48/EC – Toy Safety Directives Label Assessment
- 4) EN71-3: 2019+A1: 2021 – Migration of certain elements

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

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Test Report

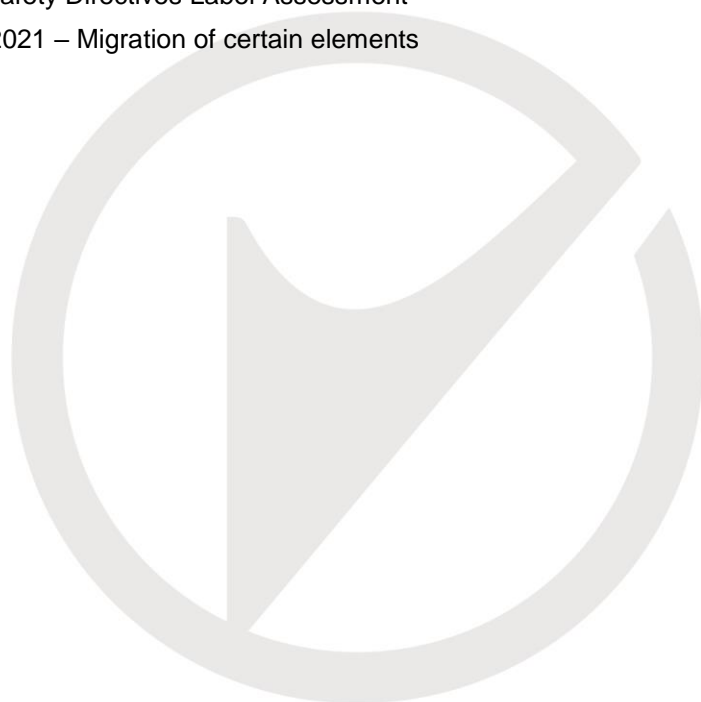
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Executive Summary:

STANDARD	CONCLUSION
1) EN71-1: 2014+A1: 2018 – Physical and Mechanical Tests	PASS
2) EN 71-2: 2020 – Flammability Test	PASS
3) 2009/48/EC – Toy Safety Directives Label Assessment	SEE RESULT
4) EN71-3: 2019+A1: 2021 – Migration of certain elements	PASS



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

Prepared by:



Wu Jiali, Garli

Report Engineer

Reviewed by:



Li Jiaxin, Nell

Supervisor

Approved by:



Li Wei, Lisa

Authorized signatory

Jul. 06, 2022

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EMTEK(Dongguan) Co., Ltd. 邮箱: E-mail: project@emtek.com.cn

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Test Results:

1) Mechanical and Physical Tests:

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

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	Projectile toys.....	N/A
4.18	Aquatic toys and inflatable toys.....	Pass

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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
4.26	Toy Disguise Costumes.....	N/A
4.27	Flying toys.....	N/A
5	Toys intended for children under 36 months	
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
5.7	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
6	Packaging	Pass
7	Warnings, markings and instructions for use	
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass
7.3	Latex Balloons	N/A
7.4	Aquatic toys	Pass
7.5	Functional Toys	N/A
7.6	Hazardous sharp functional edges and points	N/A

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Clause	Description	Result
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 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 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: 2020

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

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) Migration of certain elements

Test Method: Samples were extracted in diluted hydrochloric acid in accordance with EN71-3: 2019+A1: 2021, the analysis was performed by ICP-OES.

Test Item	Test Result(mg/kg)	MDL (mg/kg)
	1	
Aluminum (Al)	ND	2
Antimony (Sb)	ND	2
Arsenic (As)	ND	2
Barium (Ba)	21	2
Boron (B)	ND	2
Cadmium (Cd)	ND	2
Chromium (Cr ³⁺) #△	ND	0.2
Chromium (Cr ⁶⁺) #△	ND	0.02
Cobalt (Co)	ND	2
Copper (Cu)	ND	2
Lead (Pb)	ND	2
Manganese (Mn)	ND	2
Mercury (Hg)	ND	2
Nickel (Ni)	ND	2
Selenium (Se)	ND	2
Strontium (Sr)	ND	2
Tin (Sn)	ND	2
Organic Tin*	ND	2
Zinc (Zn)	ND	2

Note: 1. mg/kg = part per million = 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. The material tested belongs to scraped-off toy material by identifying.

5. △ : The test about this project was completed in EMTEK (Guangzhou) Co., Ltd. by subcontracting.

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Requirement of migration of certain elements content according to EN71-3: 2019+A1: 2021:

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	2250	560	28130
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	0.053
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

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Tested Materials:

No.	Description
1	Orange plastic film (main body of 40074)

Remark: The tested part was designated by client.



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Sample Photo



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Sample Photo



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8. 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.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the testes requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

