

Test Report

No.: 68.452.22.3323.01A

Date: 2023-01-16



Greater China

Applicant: Zhongshan Fengxing Daily Co., Ltd.
Address: Building B, No. 3, Shengye South Road, Huangpu Town, Zhongshan City, Guangdong Province, China
Product Name: Inflatable Water Park
Style No.: SL2258
Country of Origin: Guangdong, Zhongshan
Receipt Date of Sample: 2022-11-30, 2022-12-30
Date of Testing: From 2022-12-26 to 2023-01-16
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

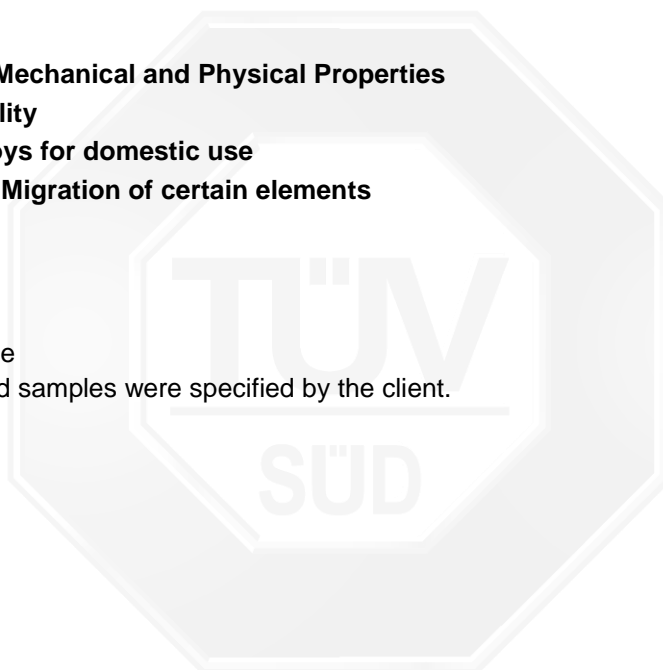
Test Item

1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties
2. EN 71-2:2020 Flammability
3. EN 71-8:2018 Activity toys for domestic use
4. EN 71-3:2019+A1:2021- Migration of certain elements

Conclusion

Pass
Pass
Pass
Pass

Remarks: 1. NA=Not Applicable
2. The test items and samples were specified by the client.



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Lab 2 - Physical & mechanical
testing

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Testing Center

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Authorized by:



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Section Manager
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Note:

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For further details, please see "Testing and certification regulation", chapter A-3.4
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- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) If relevant standards do not specify decision rule(s), follow decision rule as below:
 - "Pass" means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
 - "Fail" means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.

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Description of Tested Subject:

Sample	Description	Photo
A	Whole product	
002	Inflatable water park-SL2258 (Whole product)	
003	Yellow plastic (Pin)	

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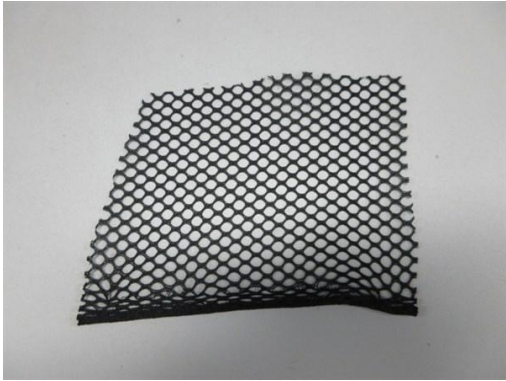
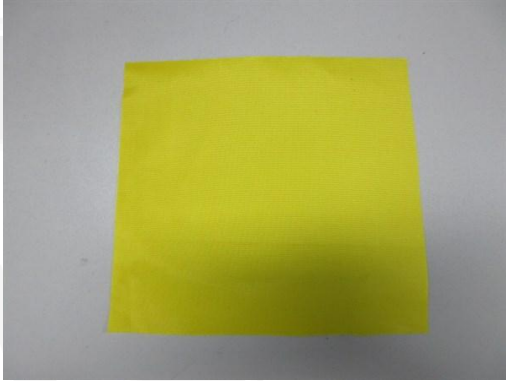
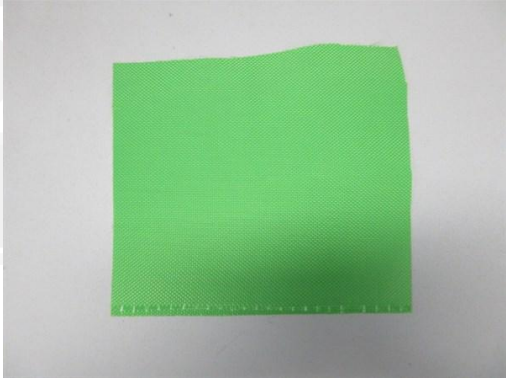
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Sample	Description	Photo
004	Black mesh (Inflatable water park)	
005	Yellow fabric w/ white soft plastic backing (Inflatable water park)	
006	Green fabric w/ white soft plastic backing (Inflatable water park)	

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Sample	Description	Photo
007	Light green fabric w/ white soft plastic backing (Inflatable water park)	

T. No	Sample	Description
T1	002	Inflatable water park-SL2258 (Whole product)
T2	003	Yellow plastic (Pin)
T3	004	Black mesh (Inflatable water park)
T4	005	Yellow fabric w/ white soft plastic backing (Inflatable water park)
T5	006	Green fabric w/ white soft plastic backing (Inflatable water park)
T6	007	Light green fabric w/ white soft plastic backing (Inflatable water park)

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Test Result(s):

1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties

Sample	002
Labelled age range	3-10 years
Age range for testing as per client's request	Over 3 Years

Clause	Requirement	Evaluation
4	General Requirements	--
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	P
4.7	Edges	P
4.8	Points and metallic wires	P
4.14	Enclosures	P
4.17	Projectile Toys	P
4.18	Aquatic toys and inflatable toys	P
6	Packaging	P
7	Warnings, markings and instructions for use	#1
7.1	General	P
7.2	Toys not intended for children under 36 months	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.

Remark:

#1= Labelling requirement (CE marking, Importer/Manufacturer name and address, Product identification) according to the Directive 2009/48/EC-Safety of toys.

The following marking shall be fulfilled.

- The CE marking is subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking shall be affixed visibly, legibly and indelibly to the toy, to an affixed label to the packaging, or to the counter display.
- The manufacturer's name and address, importer's name and address in the EU shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
- The toys shall bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

2. EN 71-2:2020 Flammability

Sample	002	
Clause	Requirement	Evaluation
4.1	General Requirement	P
4.4	Toys intended to be entered by a child	P

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Abbreviation:

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Note:

Only applicable clauses were shown.

3. EN 71-8:2018 Activity toys for domestic use

Sample	002
Labelled age range	3-10 years
Age range for testing as per client's request	Over 3 years

Clause	Requirement	Evaluation
4	Requirements	--
4.1	General	--
4.1.1	Assembly	P
4.1.2	Static strength	P
4.1.3	Maximum height	P
4.1.4	Corners and edges	P
4.1.5	Protruding parts	P
4.2	Barriers, handrails and ladders and similar means of access to activity toys	--
4.2.1	Barriers and handrails preventing the child from falling down	P
4.3	Entrapment	--
4.3.1	Entrapment of head and neck	P
4.3.2	Entrapment of clothing and hair	P
4.3.3	Entrapment of feet	P
4.4	Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws	#1
4.4.2	Stability of activity toys with a free height of fall of 600 mm or less	#1
4.4.3	Stability of activity toys with a free height of fall of more than 600 mm	#1
4.5	Slides	--
4.5.2	Stability of slides	#1
4.5.3	Retaining sides for slides	P
4.5.4	Starting, siding and run-out sections on slides	P
4.9	Paddling pools	--
4.9.2	Paddling pools with inflatable walls	P
5	Warning, markings, and instructions	--
5.1	Warnings and markings	--
5.1.1	General	P
5.1.2	Paddling pools	P
5.2	Assembly and installation instructions	P
5.3	Maintenance	P

Abbreviation:

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Note:

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Remark:

#1= The clause was not tested due to the variability of results based on differing ground surfaces obtained when testing samples that are secured with removable ground anchors, in addition it is our finding that this test is not repeatable in a laboratory environment.

4. EN 71-3:2019+A1:2021- Migration of certain elements

Test with reference to EN 71-3:2019+A1:2021, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit in scraped-off toy materials [mg/kg]	Result(s) [mg/kg]	
			003	004
Soluble Aluminum	5.00	28130	<5.00	12.9
Soluble Antimony	5.00	560	<5.00	11.1
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	<5.00
Soluble Boron	5.00	15000	<5.00	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	<0.04	0.436
Soluble Chromium VI	0.04	0.053	<0.04	<0.04
Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	<5.00	<5.00
Soluble Mercury	5.00	94	<5.00	<5.00
Soluble Nickel	5.00	930	<5.00	<5.00
Soluble Selenium	5.00	460	<5.00	<5.00
Soluble Strontium	5.00	56000	<5.00	<5.00
Soluble Tin	2.50	180000	<2.50	<2.50
Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	<5.00	22.3
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy materials [mg/kg]	Result(s) [mg/kg]	
			005	006
Soluble Aluminum	5.00	28130	5.24	<5.00
Soluble Antimony	5.00	560	<5.00	<5.00
Soluble Arsenic	5.00	47	<5.00	<5.00
Soluble Barium	5.00	18750	<5.00	<5.00
Soluble Boron	5.00	15000	<5.00	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	0.085	0.059
Soluble Chromium VI	0.04	0.053	<0.04	<0.04

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Soluble Cobalt	5.00	130	<5.00	<5.00
Soluble Copper	5.00	7700	<5.00	<5.00
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	<5.00	<5.00
Soluble Mercury	5.00	94	<5.00	<5.00
Soluble Nickel	5.00	930	<5.00	<5.00
Soluble Selenium	5.00	460	<5.00	<5.00
Soluble Strontium	5.00	56000	<5.00	<5.00
Soluble Tin	2.50	180000	<2.50	<2.50
Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	10.2	14.5
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy materials [mg/kg]	Result(s) [mg/kg]
			007
Soluble Aluminum	5.00	28130	<5.00
Soluble Antimony	5.00	560	<5.00
Soluble Arsenic	5.00	47	<5.00
Soluble Barium	5.00	18750	<5.00
Soluble Boron	5.00	15000	<5.00
Soluble Cadmium	5.00	17	<5.00
Soluble Chromium III	0.04	460	0.065
Soluble Chromium VI	0.04	0.053	<0.04
Soluble Cobalt	5.00	130	<5.00
Soluble Copper	5.00	7700	<5.00
Soluble Lead	5.00	23	<5.00
Soluble Manganese	5.00	15000	<5.00
Soluble Mercury	5.00	94	<5.00
Soluble Nickel	5.00	930	<5.00
Soluble Selenium	5.00	460	<5.00
Soluble Strontium	5.00	56000	<5.00
Soluble Tin	2.50	180000	<2.50
Organic Tin	7.50	12	<7.50
Soluble Zinc	5.00	46000	10.3
Conclusion			Pass

-End of Test Report-

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