

Test Report

No.: 68.452.22.0434.01

Date: 2022-03-29



Greater China

Applicant: XingYou Plastic Product Co., Ltd
Address: ShiHuZhou Industrial Zone, YunDongHai Street, SanShui District, Foshan City, GuangDong Province, China
Product Name: liquid Plastic Decoration
Style No.: A01-F45
Country of Origin: CHINA
Receipt Date of Sample: 2022-03-10
Date of Testing: From 2022-03-11 to 2022-03-28, Shenzhen
From 2022-03-11 to 2022-03-28, Shanghai
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. Mechanical and Physical Properties Test with reference to EN71-1:2014 + A1:2018	Pass
2. Flammability Test with reference to EN71-2:2020	Pass
3. Migration of certain elements Test with reference to EN71-3:2019+A1:2021	Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. ≤ Less than
4. 1 mg/kg = 1 ppm = 0.0001%
5. NA=Not Applicable
6. The test item was specified by the client.
7. The submitted samples is examined not a toy, and were not subjected to the scope of the European Standard of Toys EN71. However, as requested by the applicant, the submitted samples were assessed under the requirement of EN71 (part1, part 2, part 3), and the result met the requirement of the standard.

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

Prepared by:

Authorized by:



Eva Liang
Project Manager

Marlon Zeng
Section Manager

Note:

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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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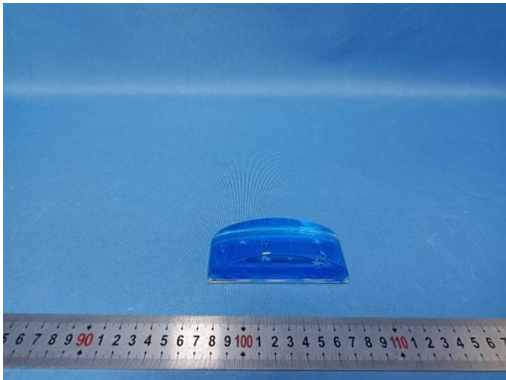
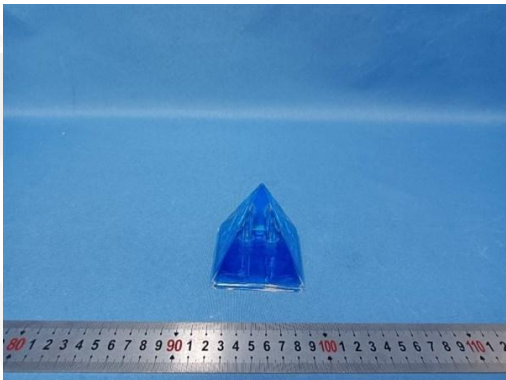
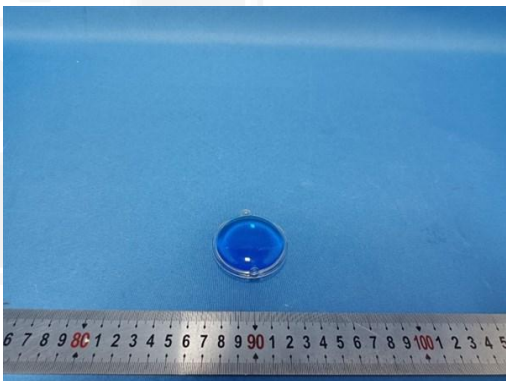
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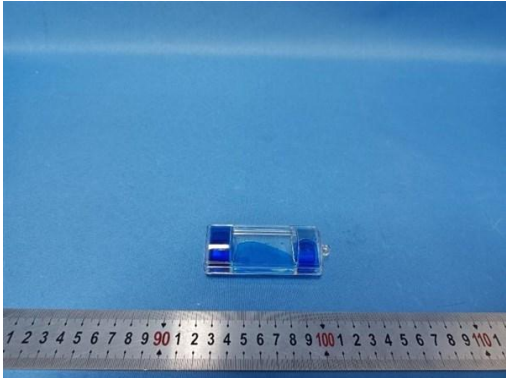


Description of Tested Subject:

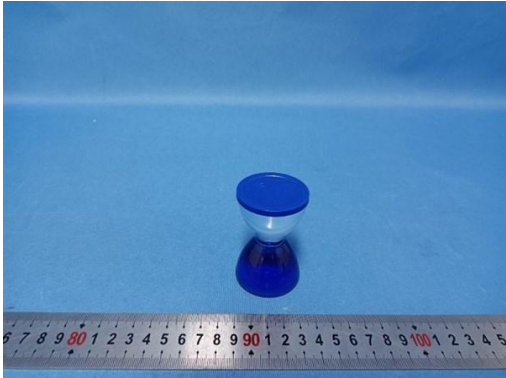
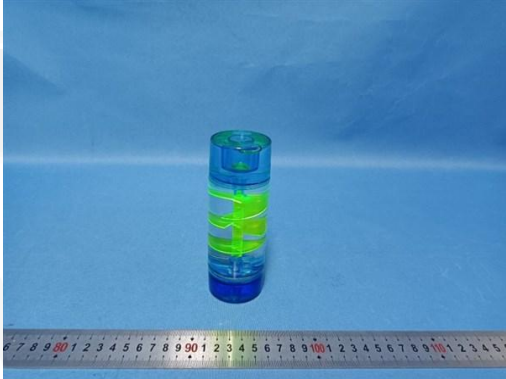

Sample	Description	Photo
Whole product	iquid Plastic Decoration	
001	Floating color timer (Whole product)	
002	Hourglass (Whole product)	

Sample	Description	Photo
003	Jump bean small (Whole product)	
004	Mega aqua spiral (Whole product)	
005	Liquid timer (Whole product)	

Sample	Description	Photo
006	Soother 10' (Whole product)	
007	Jump bean with cyan both end (Whole product)	
008	Jump bean big (Whole product)	

Sample	Description	Photo
009	Arch (Whole product)	
010	Pyramid (Whole product)	
011	Circle (Whole product)	

Sample	Description	Photo
012	cylinder (Whole product)	
013	Jump bean with gear (Whole product)	
014	Clear plastic (Holder of all styles)	

Sample	Description	Photo
015	Blue plastic (Both end of hourglass)	
016	Translucent blue plastic (Both end)	
017	Cyan plastic (Both end)	

T. No	Sample	Description
T1	001	Floating color timer (Whole product)
T2	002	Hourglass (Whole product)
T3	003	Jump bean small (Whole product)
T4	004	Mega aqua spiral (Whole product)
T5	005	Liquid timer (Whole product)
T6	006	Soother 10' (Whole product)
T7	007	Jump bean with cyan both end (Whole product)

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T. No	Sample	Description
T8	008	Jump bean big (Whole product)
T9	009	Arch (Whole product)
T10	010	Pyramid (Whole product)
T11	011	Circle (Whole product)
T12	012	cylinder (Whole product)
T13	013	Jump bean with gear (Whole product)
T14	014	Clear plastic (Holder of all styles)
T15	015	Blue plastic (Both end of hourglass)
T16	016	Translucent blue plastic (Both end)
T17	017	Cyan plastic (Both end)



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Test Result(s):

1. Mechanical and Physical Properties

Test with reference to EN71-1:2014 + A1:2018

Sample	001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013
Labelled age range	Not Stated
Requested age range	Not Stated
Age range in testing	Over 3 years
Age Group Assessed As per Age Guideline	Over 3 years

Clause	Requirement	Evaluation
4	General Requirements	--
4.1	Material cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
7	Warnings, markings and instructions for use	#1

Abbreviation:

P = Pass, NA = Not Applicable

Note:

Only applicable clauses were shown.

Remark:

#1= The testing scope of European standard on safety of toy (BS) EN71 was not applicable to the submitted samples. Therefore, the warning and other requirements specified in clause 7 did not apply

2. Flammability

Test with reference to EN71-2:2020

Sample	001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013
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Clause	Requirement	Evaluation
4.1	General Requirement	P

Abbreviation:

NA = Not Applicable

Note:

Only applicable clauses were shown.

3. 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]	
			014	015
Soluble Aluminum	5.00	28130	<5.00	<5.00
Soluble Antimony	5.00	560	<5.00	<5.00

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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	0.044
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	<5.00
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped-off toy materials [mg/kg]	Result(s) [mg/kg]	
			016	017
Soluble Aluminum	5.00	28130	<5.00	<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	6.46	<5.00
Soluble Cadmium	5.00	17	<5.00	<5.00
Soluble Chromium III	0.04	460	0.060	<0.04
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
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Organic Tin	7.50	12	<7.50	<7.50
Soluble Zinc	5.00	46000	<5.00	<5.00
Conclusion			Pass	Pass

-End of Test Report-

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