



Vantin Testing



中国认可
国际互认
检测
TESTING
CNAS L9713

Test Report

Report No.: W2300179

Date:2023-01-17

Page 1 of 13

Applicant : FEIYING TOYS FACTORY

Address : CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Sample Description:

Name of Product / Item : Water Gun Series
 Item No. : See Next Page
 Above sample information was submitted and/or identified by client

Quantity of Sample : 13 sets
 Other Information : WT20230107023
 Labeled Age Grading : 8+
 Requested Age Grading : 8+
 Age Group Assessed As Per Age Guideline : Over 5 years
 Age Group Applied in Testing : Over 8 years
 Sample Receiving Date : 2023-01-09
 Sample Resubmitted Date : 2023-01-14
 Testing Period : 2023-01-09 TO 2023-01-17

TEST REQUESTED

CONCLUSION

European Standard on Safety of toys:

- EN 71-1:2014+A1:2018 Mechanical and Physical properties **PASS**
- EN 71-2:2020 Flammability of Toys **PASS**
- Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738,
Commission Directive (EU)2018/725, (EU)2019/1922 **PASS**
- EN 71-3:2019+A1:2021 Migration of certain elements

British Standard on Safety of toys:

- BS EN 71-1:2014+A1:2018 Mechanical and Physical properties **PASS**
- BS EN 71-2:2020 Flammability of Toys **PASS**
- BS EN 71-3:2019+A1:2021 Migration of certain elements **PASS**

**** AS REQUESTED BY THE APPLICANT, PLEASE REFER TO THE FOLLOWING PAGE(S) FOR DETAILS****

Signed for and on behalf of
Guangdong Vantin Testing Co., Ltd.
Shantou Branch

Nancy



Nancy Wang
Toy Laboratory Manager



scan to see the report

Guangdong Vantin Testing Co., Ltd. Shantou Branch

Room 201, Building A, Guanghua Industrial Zone, Longtian Community, Guangyi Street, Chenghai District, Shantou City (Room 2 of Building A, Chenghai Science and Technology Center) (515800)

Tel:(86-754)87211449 Fax:(86-754)87211439
Web:www.wvtcc.com Email:lab@wvtcc.com

This document cannot be reproduced except in full, without prior approval of our laboratory. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



Vantin Testing

Test Report

Report No.: W2300179

Date:2023-01-17

Page 2 of 13

Item No.:

986,986A,987,987A,988,988A,989,989A,990,990A,991,991A,992,992A,993,994A,995,996A,997,998A,999,
2301,2302,2303,2305,M72,M72A,M73,981,971,991,991A,952,952A,954,955,956,957,958,959,980,976,976A,
977,978,979,975,985,971A,981A,957A

Guangdong Vantin Testing Co., Ltd. Shantou Branch

Room 201, Building A, Guanghua Industrial Zone, Longtian Community, Guangyi Street,
Chenghai District, Shantou City (Room 2 of Building A, Chenghai Science and Technology
Center) (515800)

Tel:(86-754)87211449 Fax:(86-754)87211439
Web:www.wvtcc.com Email:lab@wvtcc.com

This document cannot be reproduced except in full, without prior approval of our laboratory. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



Test Report

Report No.: W2300179

Date:2023-01-17

Page 3 of 13

European Standard on Safety of Toys

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

As specified in European Standard on Safety of Toys - EN71 Part 1:2014+A1:2018

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	Pass
4.20	Acoustics	Pass*
6	Packaging	Pass
7	Warnings, markings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold.)	
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass See Remark

Remark: The toy contains small part. It is acceptable because appropriate warning is found on packaging.

Note:

- Only applicable clauses were shown.
- * The test results are determined by the sample submitted by the client on 2023-01-14



Test Report

Report No.: W2300179

Date:2023-01-17

Page 4 of 13

▼ EN 71-2:2020 Flammability of Toys

As specified in European Standard on Safety of Toys - EN 71 Part 2:2020

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4.1	General requirements	
	- Celluloid, materials with the same behavior in fire as celluloid	Pass
	- Highly flammable solids	Pass

Note:

- The gas used in flammability test is butane.
- Only applicable clauses were shown.



Test Report

▼ Labeling requirement

Washing/Cleaning instruction, CE mark, importer/manufacturer name and address, product identification

As specified in the Directive 2009/48/EC-Safety of toys

Summary table:

Requirement	Observation Result	Location
Washing/Clean instruction	Not Applicable	Absent
CE mark	Present	Packaging
Importer's Name & Address	Absent	--
Manufacturer's Name & Address	Absent	--
Product ID	Absent	--

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy must to be cleaned.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must ensure that their toys 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.

Note:

- Only applicable clauses were shown.



Test Report

Report No.: W2300179

Date:2023-01-17

Page 6 of 13

Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738,**Commission Directive (EU)2018/725, (EU)2019/1922****▼ EN 71-3:2019+A1:2021 Migration of certain elements**

Method: EN 71-3:2019+A1:2021

Analysis was performed by ICP-OES, ICP-MS, IC-UV/VIS and GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Guangdong Vantin Testing Co., Ltd. Shantou Branch

Room 201, Building A, Guanghua Industrial Zone, Longtian Community, Guangyi Street, Chenghai District, Shantou City (Room 2 of Building A, Chenghai Science and Technology Center) (515800)

Tel:(86-754)87211449 Fax:(86-754)87211439

Web:www.wvtcc.com Email:lab@wvtcc.com

This document cannot be reproduced except in full, without prior approval of our laboratory. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



Test Report

Report No.: W2300179

Date:2023-01-17

Page 7 of 13

Specimen Description:

- 1 Green plastic (green/black water gun)
- 2 Red plastic (blue/red water gun)
- 3 Blue plastic (green/blue big water gun)
- 4 White plastic (blue/yellow water gun)
- 5 Orange plastic (green/blue small water gun)

Note:

- N.D. = Not Detected (< Reporting limit)
- mg/kg = ppm = parts per million
- #1 The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).
- #2 The migration of organic tin is expressed as tributyltin (TBT).

Organic tins tested under EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPHT)
Triphenyl tin (TPHT)
Dimethyl tin (DMT)

- As per client's request, test conducted on specified materials.



Test Report

British Standard on Safety of Toys

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

As specified in European Standard on Safety of Toys –BS EN71 Part 1:2014+A1:2018

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	Pass
4.20	Acoustics	Pass*
6	Packaging	Pass
7	Warnings, markings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold.)	
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass See Remark

Remark: The toy contains small part. It is acceptable because appropriate warning is found on packaging.

Note:

- Only applicable clauses were shown.
- * The test results are determined by the sample submitted by the client on 2023-01-14



Test Report

Report No.: W2300179

Date:2023-01-17

Page 9 of 13

▼ **BS EN 71-2:2020 Flammability of Toys**

As specified in European Standard on Safety of Toys – BS EN 71 Part 2:2020

Clause	Description	Assessment
4.1	General requirements	
	- Celluloid, materials with the same behavior in fire as celluloid	Pass
	- Highly flammable solids	Pass

Note:

- The gas used in flammability test is butane.
- Only applicable clauses were shown.



Test Report

▼ Labeling requirement

Washing/Cleaning instruction, Name and postal address of Importer based in UK, manufacturer name and address, product identification

Summary table:

Requirement	Observation Result	Location
Washing/Clean instruction	Not Applicable	--
UKCA Mark	Absent	--
Name and postal address of Importer based in UK	Absent	--
Manufacturer 's Name & Address	Absent	--
Product ID	Absent	--

Note:

1. According to Toys (Safety) Regulations 2011, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
2. The UKCA marking should be at least 5mm in height, unless a different minimum dimension is specified in the relevant legislation. The UKCA marking should be visibly, legibly and indelibly (From 1 January 2023, the UKCA marking must, in most cases, be affixed directly to the product.).
3. Importer must make sure that its name and address is marked on the toy or on a document accompanying the toy or packaging, as well as the manufacturer's details after 1 January 2021. Until 31 December 2022, UK importer can provide these details on the accompanying documentation rather than on the good itself.
4. Manufacturers must ensure that their toys 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, the required information is provided on the packaging or in a document accompanying the toy.

Note:

- Only applicable clauses were shown.



Test Report

Report No.: W2300179

Date:2023-01-17

Page 11 of 13

▼ BS EN 71-3:2019+A1:2021 Migration of certain elements

Method: BS EN 71-3: 2019+A1:2021

Analysis was performed by ICP-OES, ICP-MS, IC-UV/VIS and GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Specimen Description:

- 1 Green plastic (green/black water gun)
- 2 Red plastic (blue/red water gun)

Guangdong Vantin Testing Co., Ltd. Shantou Branch

Room 201, Building A, Guanghua Industrial Zone, Longtian Community, Guangyi Street, Chenghai District, Shantou City (Room 2 of Building A, Chenghai Science and Technology Center) (515800)

Tel:(86-754)87211449 Fax:(86-754)87211439

Web:www.wvtcc.com Email:lab@wvtcc.com

This document cannot be reproduced except in full, without prior approval of our laboratory. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



Test Report

Report No.: W2300179

Date:2023-01-17

Page 12 of 13

- 3 Blue plastic (green/blue big water gun)
- 4 White plastic (blue/yellow water gun)
- 5 Orange plastic (green/blue small water gun)

Note:

- N.D. = Not Detected (< Reporting limit)
- mg/kg = ppm = parts per million
- #1 The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).
- #2 The migration of organic tin is expressed as tributyltin (TBT).

Organic tins tested under BS EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPHT)
Triphenyl tin (TPHT)
Dimethyl tin (DMT)

- As per client’s request, test conducted on specified materials.



Vantin Testing

Test Report

Report No.: W2300179

Date:2023-01-17

Page 13 of 13

Sample Photo



Vantin Testing authenticate the photo on original report only

*** End of Report ***