

# Test Report

No.: 68.452.23.0730.01

Date: 2023-05-12



Greater China

**Applicant:** ORIENTAL STANDARD JAPAN CO.LTD  
**Address:** LANDPORT HACHIOJI 2F 2969-16 ISHIKAWAMACHI,HACHIOJI-SHI, TOKYO  
192-0032 JAPAN  
**Product Name:** Climbing frame  
**Style No.:** WF304966AAA  
**Receipt Date of Sample:** 2023-04-17, 2023-04-20, 2023-04-21, 2023-05-08  
**Date of Testing:** From 2023-04-19 to 2023-05-12  
**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  
excluding clause 4.1.1, 4.3.1, 4.3.2, 4.3.4, 4.6.4, 4.6.5, 4.6.7 and 4.6.8
4. EN 71-3:2019+A1:2021- Migration of certain elements

## Conclusion

Pass  
Pass  
Pass  
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 items and sample were specified by the applicant.

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

Prepared by:

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## Note:

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- (2) The results relate only to the items tested.
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- (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	
001	Whole product (Climbing frame)	
002	Black coating (On plywood)	
003	Dull cream plywood (Board)	

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Sample	Description	Photo
004	Cream / coffee coating (On plywood)	
005	Cream plywood (Board)	
006	Transparent coating (On wood)	
007	Natural color wood (Board)	
008	Brown / cream plywood (Ring)	

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Sample	Description	Photo
009	Bright white fabric thread (Wrapper of rope)	

T. No	Sample	Description
T1	001	Whole product (Climbing frame)
T2	002	Black coating (On plywood)
T3	005	Cream plywood (Board)
T4	006	Transparent coating (On wood)
T5	007	Natural color wood (Board)
T6	009	Bright white fabric thread (Wrapper of rope)

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## Test Result(s):

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

Sample	001
Labelled age range	The minimum user age is 3 years old, the maximum user age is 8 years old
Requested age range	3+
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
4.2	Assembly	P
4.7	Edges	P
4.8	Points and metallic wires	P
5	Toys intended for children under 36 months	--
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.

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## 2. EN 71-2:2020 Flammability

Sample		001
Clause	Requirement	Evaluation
4.1	General Requirement	P
4.4	Toys intended to be entered by a child	P

### Abbreviation:

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

### Note:

Only applicable clauses were shown.

## 3. EN 71-8:2018 Activity toys for domestic use excluding clause 4.1.1, 4.3.1, 4.3.2, 4.3.4, 4.6.4, 4.6.5, 4.6.7 and 4.6.8

Sample		001
Labelled age range	The minimum user age is 3 years old, the maximum user age is 8 years old	
Requested age range	3+	
Age range in testing	Over 3 years	
Age Group Assessed As per Age Guideline	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
4.1.6	Diameter of ropes and other means of suspension	P
4.1.7	Water accumulation	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
4.3.4	Entrapment of fingers	P
4.4	Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws	--
4.4.2	Stability of activity toys with a free height of fall of 600 mm or less	P
4.4.3	Stability of activity toys with a free height of fall of more than 600 mm	P
4.6	Swings	--
4.6.1	Stability of swings and other activity toys with crossbeams	P
4.6.2	Static strength of crossbeams, swing devices and suspension connectors	P
4.6.4	Minimum clearance between adjacent swing elements, and adjacent structures	P

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Greater China

Clause	Requirement	Evaluation
4.6.5	Lateral stability of swing elements	P
4.6.6	Minimum clearance between swing elements and the ground	P
4.6.7	Suspension connectors and swing devices	P
4.6.8	Impact, geometry and design of swing elements	P
5	Warning, markings, and instructions	--
5.1	Warnings and markings	--
5.1.1	General	P
5.2	Assembly and installation instructions	P
5.3	Maintenance	P

## Abbreviation:

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## Note:

Only applicable clauses were shown.

## 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]	
			002	005
Soluble Aluminum	5.00	28130	98.2	<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	12.5	<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	1.20	0.143
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	73.1	36.6
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	<5.00	12.8
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	89.8	24.4
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]	
			006	007
Soluble Aluminum	5.00	28130	8.59	<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	0.178	0.984
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	75.0	9.68
Soluble Lead	5.00	23	<5.00	<5.00
Soluble Manganese	5.00	15000	5.89	15.5
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	31.1	<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	4660	9.21
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit in scraped- off toy materials [mg/kg]	Result(s) [mg/kg]
			009
Soluble Aluminum	5.00	28130	8.01
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	0.109
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

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Soluble Tin	2.50	180000	<2.50
Organic Tin	7.50	12	<7.50
Soluble Zinc	5.00	46000	11.3
Conclusion			Pass

-End of Test Report-



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