



中国认可
国际互认
检测
TESTING
CNAS L9381

Test Report

No.: EG181112053T05MVer.1

Date: Nov. 16, 2018

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Applicant : Ningbo Elite Cycle Co., Ltd.

Address : No.1 Building; No.2 Building; No.3 Building No.36 PuYan RD.,
Xiapu, Beilun, Ningbo, Zhejiang

Sample Name : CHILDREN TRICYCLE

Quantity : 2pcs

Model : JY-T01

Item No./Lot No. : /

Supplier : /

Requested Age Grading : 12~50M

Age Group Applied in Testing : 0+

Received Date : Nov. 12, 2018

Testing Period : Nov. 12, 2018 ~ Nov. 16, 2018

Test Summary

No.	Test Item	Test Conclusion
1	Mechanical and physical properties (EN71-1:2014)	Pass
2	Flammability (EN71-2:2011+A1:2014)	Pass
3	Migration of certain elements (EN 71-3:2013+A3:2018(E))	Pass

Remark: Pass: Meet the requirements; Fail: Doesn't meet the requirements; N/A: Without conclusions or provide test results only.

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

Prepared by: Sunny
Zhang Qingqing, Sunny
Assistant Engineer

Reviewed by: Damon
Du Shi, Damon
Technical supervisor

Approved by: Mickey
Yuan Qi, Mickey
Authorized signatory
Nov. 16, 2018

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Sample Description

Sample No.	Sample Number	Sample Name
05	EG18111205305	CHILDREN TRICYCLE
05.1	EG18111205305.1	Canopy (grey fabric)
05.2	EG18111205305.2	Canopy (black fabric)
05.3	EG18111205305.3	Canopy (black net)
05.4	EG18111205305.4	Handrail
05.5	EG18111205305.5	Handlebar
05.6	EG18111205305.6	basket
05.7	EG18111205305.7	Steering rod
05.8	EG18111205305.8	Mudguard
05.9	EG18111205305.9	Wheel (wheel)
05.10	EG18111205305.10	Wheel (axle)
05.11	EG18111205305.11	Seat
05.12	EG18111205305.12	Footrest
05.13	EG18111205305.13	Pedal
05.14	EG18111205305.14	Top push bar
05.15	EG18111205305.15	Bottom push bar (white)
05.16	EG18111205305.16	Push bar (sponge handle)
05.17	EG18111205305.17	Black webbing
05.18	EG18111205305.18	Red plastic
05.19	EG18111205305.19	Black plastic (handle)

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Summary of Test Results

1. Mechanical and physical properties

1.1 Test Method: EN 71-1:2014

1.2 Test Result:

Clause	Description	Result	Conclusion
		EG18111205305	
4.1	Material cleanliness	Here is no unclean and infestation materials under the visual	Meet
4.2	Assemble	The toys are assembled by adults and have assembly instructions	Meet
4.3	Flexible plastic sheeting	Have no plastic sheeting	N/A
4.4	Toy Bags	No toy bags	N/A
4.5	Glass	No glass	N/A
4.6	Expanding Materials	No expanding materials	N/A
4.7	Edges	There is no sharp edges that likely to present an unreasonable risk of injury	Meet
4.8	Points and metallic wires	There is no metallic wires and accessible points that likely to present an unreasonable risk of injury	Meet
4.9	Protrusion	After the test, the protection parts did not fall off.	Meet
4.15	Toys intended to bear the mass of a child	--	--
4.15.1	Toys propelled by a child or by other means	--	--
4.15.1.1	General	Pass	Meet
4.15.1.2	Warnings and instructions for use	Pass	Meet
4.15.1.3	Strength	Pass	Meet
4.15.1.4	Stability	During the test,the toys were not turned over	Meet
4.15.1.5	Braking	Toys where the hands or feet provide the motive power to the driving wheel(s) via direct transmission	N/A
4.15.1.6	Transmission and wheel arrangement	No transmission device There are no 5-12mm gaps or holes	Meet

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Clause	Description	Result	Conclusion
		EG18111205305	
		in wheels and Carbodies.	
4.15.1.7	Adjustable seat pillar and handlebar stem minimum insertion marks	Pass	Meet
4.15.1.8	Electrically-driven ride-on toys	Not electric riding toys.	N/A
5	Toys intended for children under 36 months	--	--
5.1	General requirements	After the test, no part fell off.	Meet
6	Packaging	The film thickness is 0.044mm	Meet
7	Warnings, markings and instructions for use	--	--
7.1	General	Pass	Meet

Note: N/A = Not Applicable

2. Flammability

2.1 Test Method: EN 71-2: 2011+A1:2014

2.2 Test Result:

Clause	Description	Result
		EG18111205305
4.1	General requirements	Meet (See Note)

Note :

The following materials shall not be present in toys:

-- Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid. Specific materials to which the test flame is applied in order to check compliance of the toy with requirements in 4.2 to 4.5 are considered to comply with this requirement if the toy meets its appropriate requirements in 4.2 to 4.5;

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3. Migration of certain elements

3.1 Test Method:

Test Item	Test Method
Migration of certain elements	EN 71-3:2013+A3:2018(E)

3.2 Test Instrument:

Instrument Name	Manufacturer	Instrument Model
ICP-OES	Agilent	720
LC-ICP-MS	Agilent	ICP-MS: 7900 LC :1260
GC-MS	SHIMADZU	QP2010 Ultra

3.3 Test Result:

Soluble element	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)						
		Category III	05.1	05.2	05.3	05.4	05.5 ^a	05.6 ^b	05.7 ^c
Aluminum (Al)	5	70000	N.D.	N.D.	N.D.	72	N.D.	N.D.	N.D.
Antimony (Sb)	5	560	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.1	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5	18750	N.D.	N.D.	N.D.	559	N.D.	N.D.	N.D.
Boron (B)	5	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.1	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (III)	0.1	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (VI)	0.01	0.053	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1	130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5	7700	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	0.1	23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1	94	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	1	930	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	1	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5	56000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	0.1	180000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin	0.1	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5	46000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Soluble element	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)					
		Category III	05.8 ^d	05.9 ^e	05.10 ^f	05.11 ^g	05.12 ^h	05.13 ⁱ
Aluminum (Al)	5	70000	N.D.	121	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	5	560	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.1	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5	18750	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Boron (B)	5	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.1	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (III)	0.1	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (VI)	0.01	0.053	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1	130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5	7700	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	0.1	23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1	94	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	1	930	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	1	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5	56000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	0.1	180000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin	0.1	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5	46000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Soluble element	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)					
		Category III	05.14	05.15	05.16 ^l	05.17 ^k	05.18 ^l	05.19 ^m
Aluminum (Al)	5	70000	N.D.	57	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	5	560	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.1	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5	18750	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Boron (B)	5	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.1	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (III)	0.1	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (VI)	0.01	0.053	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1	130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5	7700	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	0.1	23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5	15000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1	94	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	1	930	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	1	460	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5	56000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	0.1	180000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin	0.1	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5	46000	N.D.	N.D.	452	N.D.	N.D.	N.D.

Note

- 1) N.D. = Not Detected (Less than Detection Limit)
- 2) MDL= Method Detection Limit.
- 3) ^a: The test results are reported by EG18111205303.1 sample.
- ^b: The test results are reported by EG18111205303.2 sample.
- ^c: The test results are reported by EG18111205303.3 sample.
- ^d: The test results are reported by EG18111205303.4 sample.
- ^e: The test results are reported by EG18111205303.5 sample.
- ^f: The test results are reported by EG18111205303.6 sample.
- ^g: The test results are reported by EG18111205303.7 sample.
- ^h: The test results are reported by EG18111205303.8 sample.
- ⁱ: The test results are reported by EG18111205303.9 sample.
- ^j: The test results are reported by EG18111205303.12 sample.
- ^k: The test results are reported by EG18111205303.13 sample.
- ^l: The test results are reported by EG18111205303.14 sample.
- ^m: The test results are reported by EG18111205303.15 sample.

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3.4 Limited Value for migration of certain elements (According to 2009/48/EC, 2012/7/EC, (EU) 2017/738, (EU) 2018/725)

Soluble element	Limit (mg/kg)		
	Category I	Category II	Category III
Aluminum (Al)	5625	1406	70000
Antimony (Sb)	45	11.3	560
Arsenic (As)	3.8	0.9	47
Barium (Ba)	1500	375	18750
Boron (B)	1200	300	15000
Cadmium (Cd)	1.3	0.3	17
Chromium (III)	37.5	9.4	460
Chromium (VI)	0.02	0.005	0.053
Cobalt (Co)	10.5	2.6	130
Copper (Cu)	622.5	156	7700
Lead (Pb)	2.0	0.5	23
Manganese (Mn)	1200	300	15000
Mercury (Hg)	7.5	1.9	94
Nickel (Ni)	75	18.8	930
Selenium (Se)	37.5	9.4	460
Strontium (Sr)	4500	1125	56000
Tin (Sn)	15000	3750	180000
Organic tin	0.9	0.2	12
Zinc (Zn)	3750	938	46000

Explain:

-Category I : Dry, brittle, powder-like or pliable toy material;

Category II : Liquid or sticky toy material;

Category III: Scraped off toy material

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Sample Photos



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