



Greater China

Test Report

No.: 70.452.20.10557.01R1

Dated: 2020-04-28

Applicant: MARKARTUR ARTUR CZAJKOWSKI
Address: MEŁGIEWSKA 30D, 20-234 LUBLIN, POLAND
Product Name: balance bike
Style No.: OLLY
Manufacturer: hangzhou yongdi bicycle co.ltd
Address: MAOSHANTOU VILLAGE, YIQIAO TOWN, XIAOSHAN 211300, HANGZHOU, CHINA
Labelled Age Range: Not stated
Requested Age Range: 3+
Age Range for Testing: Over 3 years
Country of Origin: CHINA
Receipt Date of Sample: 2020-03-30, 2020-04-23
Date of Testing: 2020-04-01 to 2020-04-16, 2020-04-23 to 2020-04-28
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Remark: This report supersedes the previous report 70.452.20.10557.01 dated on 2020-04-16.

Test Item	Conclusion
1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties	Pass
2. EN 71-2:2011+A1:2014 Flammability	Pass
3. EN 71-3:2019 Migration of certain elements	Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. <= Less than
4. 1 mg/kg = 1 ppm = 0.0001%



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

Prepared by:

Wu, Jingqing
Technical Engineer

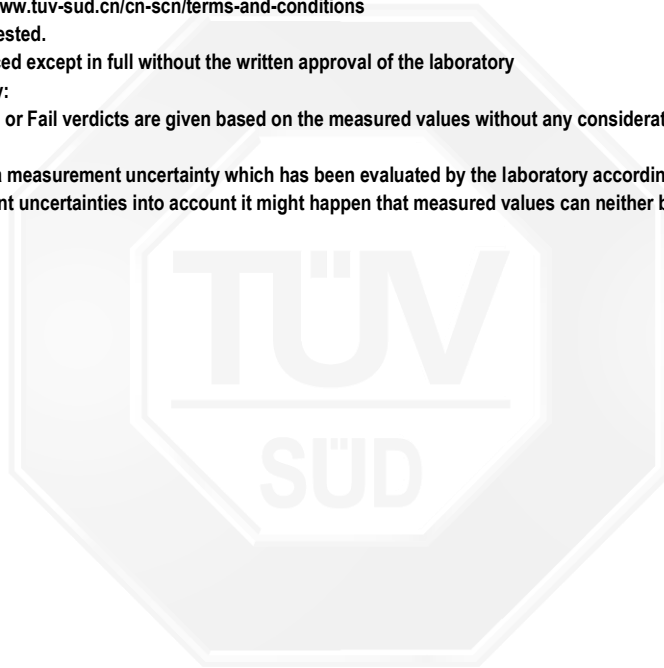


Authorized by:




Sawyer Tang
Technical Manager

Note:

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- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
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Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties.
Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.



Description of the Tested Subject

Sample	Description	Photo
A	Balance bike	
001	Red soft plastic (grip)	
012	Black soft plastic (on brake arm)	
013	Black plastic (brake arm)	



Specimen Description	
001	Red soft plastic (grip)
002	Blue soft plastic (grip)
003	Yellow soft plastic (brake cable cover)
004	Black plastic (brake)
005	Black coating (handle bar/stem)
006	Black coating (frame)
007	White coating (fork)
008	Black fake leather (saddle)
009	Black plastic (under saddle)
010	Black soft plastic (wheel)
011	Black soft plastic (brake pad)
012	Black soft plastic (on brake arm)
013	Black plastic (brake arm)
014	Black plastic (air valve cap/air valve)
015	Yellow sticker with transparent soft plastic film
016	White sticker with transparent soft plastic film
017	Black/white/red sticker with transparent soft plastic film (warning)





Test Results

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

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
4.9	Protruding parts	P
4.15	Toys intended to bear the mass of a child	
4.15.1	Toys propelled by a child or by other means	P
7	Warnings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	
7.10.4	Instructions for use	P

Abbreviation: P=pass;

Remark: Labelling requirement (Washing/Cleaning instruction, CE marking, Importer / Manufacturer name and address, Product identification) according to the Directive 2009/48/EC-Safety of toys.

	Result (On Product)	Result (On Package)
CE marking	Present (dimension:7mm)	Present (dimension: more than 5 mm)
Manufacturer's Name and Address	Present	Present
Importer's Name and Address	Present	Present
Product Identification	Present	Present

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.

Note: Only applicable clauses were shown.

2. EN 71-2:2011+A1:2014 Flammability

Clause	Requirement	Evaluation
4.1	General Requirement	P

Abbreviation: P=pass;

3. EN 71-3:2019 Migration of certain elements

Test with reference to EN 71-3:2019

Test Item	Limit in scraped-off toy materials [mg/kg]	MDL [mg/kg]	Result(s) [mg/kg]					
			001	002	003	004	005	006
Soluble Aluminum	28130	5.00	<5.00	<5.00	<5.00	23.5	10.0	12.5
Soluble Antimony	560	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Arsenic	47	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Barium	18750	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Boron	15000	5.00	<5.00	<5.00	44.0	8.70	35.5	<5.00
Soluble Cadmium	17	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Chromium III	460	0.04	0.250	0.140	0.196	0.105	4.85	<0.04
Soluble Chromium VI	0.053	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Soluble Cobalt	130	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Copper	7700	5.00	<5.00	<5.00	<5.00	<5.00	5.50	<5.00
Soluble Lead	23	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Manganese	15000	5.00	<5.00	<5.00	<5.00	<5.00	58.5	<5.00
Soluble Mercury	94	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Nickel	930	5.00	<5.00	<5.00	<5.00	<5.00	14.5	<5.00
Soluble Selenium	460	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Strontium	56000	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Tin	180000	3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Organic Tin	12	7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50
Soluble Zinc	46000	5.00	15.9	<5.00	246	16.4	<5.00	26.5
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass

Test Item	Limit in scraped-off toy materials [mg/kg]	MDL [mg/kg]	Result(s) [mg/kg]					
			007	008	009	010	011	012
Soluble Aluminum	28130	5.00	80.0	<5.00	<5.00	<5.00	55.0	6.52
Soluble Antimony	560	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Arsenic	47	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Barium	18750	5.00	<5.00	11.0	<5.00	<5.00	8.80	<5.00
Soluble Boron	15000	5.00	47.0	26.5	34.5	37.6	46.0	28.1
Soluble Cadmium	17	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Chromium III	460	0.04	0.435	0.115	0.110	0.130	0.240	0.196
Soluble Chromium VI	0.053	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Soluble Cobalt	130	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Copper	7700	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Lead	23	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Manganese	15000	5.00	<5.00	<5.00	<5.00	<5.00	7.90	<5.00
Soluble Mercury	94	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Nickel	930	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Selenium	460	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Strontium	56000	5.00	<5.00	<5.00	<5.00	<5.00	49.5	<5.00
Soluble Tin	180000	3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Organic Tin	12	7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50
Soluble Zinc	46000	5.00	31.0	12.0	<5.00	63.7	860	8.03
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass

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Test Item	Limit in scraped-off toy materials [mg/kg]	MDL [mg/kg]	Result(s) [mg/kg]				
			013	014	015	016	017
Soluble Aluminum	28130	5.00	19.0	<5.00	11.0	14800	12.5
Soluble Antimony	560	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Arsenic	47	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Barium	18750	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Boron	15000	5.00	36.0	56.5	95.5	90.0	97.5
Soluble Cadmium	17	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Chromium III	460	0.04	0.325	0.170	0.340	0.435	0.440
Soluble Chromium VI	0.053	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Soluble Cobalt	130	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Copper	7700	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Lead	23	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Manganese	15000	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Mercury	94	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Nickel	930	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Selenium	460	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Strontium	56000	5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Tin	180000	3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Organic Tin	12	7.50	<7.50	<7.50	<7.50	<7.50	<7.50
Soluble Zinc	46000	5.00	22.0	<5.00	9.50	7.75	8.55
Conclusion			Pass	Pass	Pass	Pass	Pass

- End of Test Report -