

## TEST REPORT

Report No : HY/2019/30150B

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Date : 2019/04/15

### Alchemy Metal Co. LTD

1F., No. 18, Lane 13, ShuDe 1<sup>st</sup> St., Taiping City., Taichung Country, Taiwan, R.O.C.

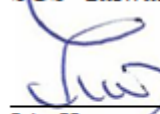
### The following merchandise was submitted & identified by the applicant as:

Sample description and function: Running bike  
Packaging/Type: Yes/Carton, plastic bag  
Instructions for use/assembly Yes  
Product identification name: Running Bike  
Country of Origin: TAIWAN  
Labeled Age Grading: 3-6 Years  
Requested Age Grading: 3 Years+  
Age Group Assessed As Per Age 2 Years +  
Guideline:  
Age Group Applied in Testing: 3 Years +  
Sample receiving Date: 2019/03/20 & 04/09  
Testing Period: 2019/03/21 - 03/28 & 04/10 - 04/12

### We have tested the submitted sample(s) as requested and the following results were obtained:

<u>Test Requested</u>	<u>Result</u>
- As per client's request, SGS were requested to test the submitted sample by age grading 3 and up for compliance with	<u>Meet client's requirement</u>
- EN 71 Part 1:2014+A1:2018 – Mechanical and Physical Properties	<u>Pass</u>
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	<u>See Result on page 2</u>
- EN 71 Part 2:2011+A1:2014 – Flammability	<u>Pass</u>
- EN 71 Part 3:2013+A3:2018 – Migration of certain elements	<u>Pass</u>

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Iris Huang  
Manager



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**Test Results:**

European Standard – Safety of Toys: EN 71 Part 1:2014+A1:2018 – Mechanical and Physical Properties

Clause	Description	Result
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.2	Assembly	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
4.9	Protruding parts	<u>Pass</u>
4.15	Toys intended to bear the mass of a child	
4.15.1	Toys propelled by the child or by other means	<u>Pass</u>
5	Toys intended for children under 36 months	
5.1	General requirements	<u>See Remark</u>
	(Remark : Sticker fragment became detached as small part after test. It is acceptable because appropriate age warning was found on the packaging.)	
6	Packaging	<u>Pass</u>

**LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS**

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Absent	---
CE mark	Present	Carton, product
Importer's Name & Address	Present	Carton
Manufacturer's Name & Address	Present	Carton
Product ID	Present	product

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 soaked washed. The manufacturer should, if applicable, provide instructions on how the toy has 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.

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European Standard - Safety of Toys : EN 71 Part 2:2011+A1:2014 – Flammability

Clause	Description	Result
4	Requirements	
4.1	General requirements	<u>Pass</u>

N.B.: -Only applicable clauses were shown

European Standard - Safety of Toys : EN 71 Part 3:2013+A3:2018 – Migration of certain elements

## Category III: Scrapped-off toy material

Pass

Method: With reference to EN 71 Part 3:2013+A3:2018. Analysis of general elements was performed by ICP-MS. Extractable Organic Tin was analyzed by GC-MS. Extractable Chromium III & Chromium VI were analyzed by LC-ICP-MS.

Test Items		Result(mg/kg)		RL (mg/kg)	Permissible Limit (mg/kg)
		1	2~10		
Soluble Aluminium	(Al)	N.D.	N.D.	50	70,000
Soluble Antimony	(Sb)	N.D.	N.D.	10	560
Soluble Arsenic	(As)	N.D.	N.D.	10	47
Soluble Barium	(Ba)	N.D.	N.D.	50	18,750
Soluble Boron	(B)	N.D.	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	N.D.	10	130
Soluble Copper	(Cu)	N.D.	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	N.D.	10	23
Soluble Manganese	(Mn)	N.D.	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	N.D.	10	930
Soluble Selenium	(Se)	N.D.	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	N.D.	4.9	180,000
Soluble Zinc	(Zn)	165	N.D.	50	46,000
Soluble Chromium (III)	(Cr (III))	N.D.	N.D.	5	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	N.D.	0.18	0.2
Soluble Organic Tin <sup>#</sup>	-	N.D.	N.D.	-	12

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Remark: #

Test Items		Soluble Organic Tin Result(s)		MDL (mg/kg)
		1	2~10	
Methyl tin	(MeT)	N.D.	N.D.	0.5
Di-n-propyl tin	(DProT)	N.D.	N.D.	0.5
Butyl tin	(BuT)	N.D.	N.D.	0.5
Dibutyl tin	(DBT)	N.D.	N.D.	0.5
Tributyl tin	(TBT)	N.D.	N.D.	0.5
n-Octyl tin	(MOT)	N.D.	N.D.	0.5
Tetrabutyl tin	(TeBT)	N.D.	N.D.	0.5
Di-n-octyl tin	(DOT)	N.D.	N.D.	0.5
Diphenyl tin	(DPhT)	N.D.	N.D.	0.5
Triphenyl tin	(TPhT)	N.D.	N.D.	0.5

Description:

1. Black leather with white fabric backing of sample.
2. Black plastic of sample. (seat)
3. Black plastic of sample. (cap of seat)
4. Black soft plastic of sample. (handle)
5. Transparent plastic sticker with white printing of sample.
6. Transparent plastic sticker of sample.
7. Black plastic of sample. (pad of seat lock)
8. Black foam of sample. (tire)
9. White plastic of sample. (on tire)
10. Black plastic of sample. (ring of head tube)

NOTE:

1. mg/kg = ppm
2. N.D. = Not Detected
3. RL= Reporting Limit
4. MDL =Method Detection Limit
5. " - " = Not Regulated
6. The chemical analysis was conducted in SGS Taiwan Ltd. Chemical Laboratory-Taipei

## TEST REPORT

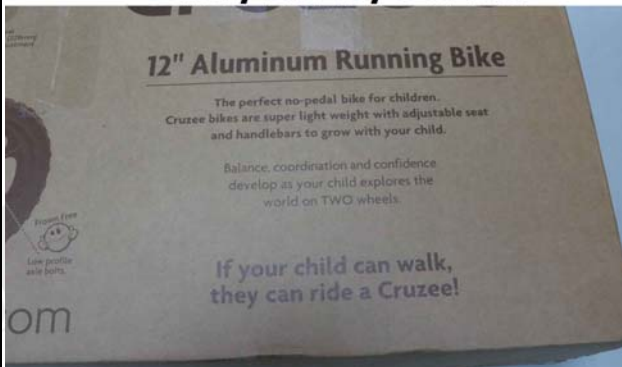
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Sample picture	
<p><b>HY/2019/30150</b></p> 	
As received	
<p><b>HY/2019/30150</b></p> 	<p><b>HY/2019/30150</b></p> 
Expanded view	After assembly – Model 1
<p><b>HY/2019/30150</b></p> 	<p><b>HY/2019/30150</b></p> 
After assembly – Model 2	Product information

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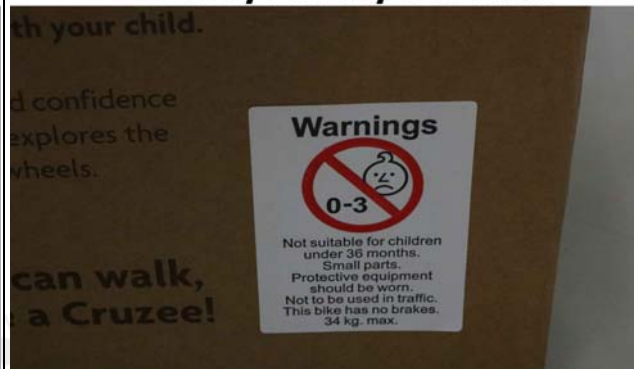


## Packaging information

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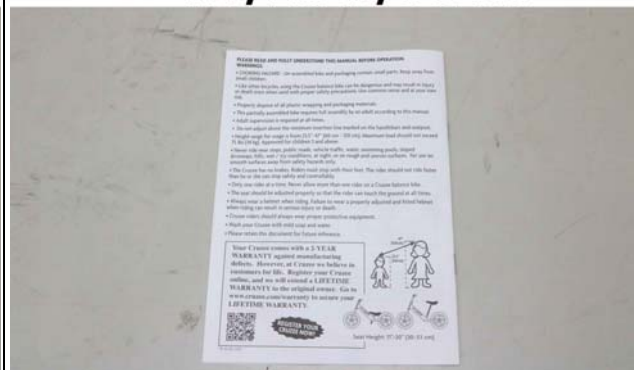


## Packaging information

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## Instruction

SGS authenticate the photo on original report only

\*\* End of Report \*\*

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