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**Applicant** : SHANTOU CITY CHENGHAI DISTRICT HUA RONG CRAFT TOY

**FACTORY** 

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

**CHINA** 

Sample Name : Pull back

Style/Item No. : Please refer to the page 3

Labeled Age Grading **Requested Age Grading** 3+

Age Group Applied in Testing Over 3 years

**Received Date** Mar. 30, 2021

**Test Period** Mar. 30, 2021 ~ Apr. 06, 2021

**Test Requested** : As requested by the client, according to the following standards to perform

the related testings.

1) EN71-1: 2014+A1: 2018 – Physical and Mechanical Tests

2) EN71-2: 2011+A1: 2014 - Flammability Test

2009/48/EC - Toy Safety Directives Label Assessment

EN71-3: 2019 - Migration of certain elements

**Test Results** : Please refer to next page (s).





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#### **Executive Summary:**

	STANDARD	CONCLUSION
1)	EN71-1: 2014+A1: 2018 – Physical and Mechanical Tests	PASS
2)	EN71-2: 2011+A1: 2014 – Flammability Test	PASS
3)	2009/48/EC – Toy Safety Directives Label Assessment	SEE RESULT
4)	EN71-3: 2019 – Migration of certain elements	PASS



Signed for and on behalf of

EMTEK(Dongguan) Co., Ltd.

Prepared by:

Reviewed by:

Li Huilan, Kay

Report Engineer

Zhang Hongjing, Carrie Supervisor

Approved by:

Li Wei, Lisa Authorized signatory Apr. 06, 2021





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### Style/Item No.

HR001、HR002、HR003、HR004、HR005、HR006、HR007、HR008、HR009、HR010、HR011、HR012、 HR013、HR014、HR015、HR016、HR017、HR018、HR019、HR020、HR021、HR021A、HR021B、 HR022A、HR022B、HR022、HR023、HR024、HR025、HR026、HR027、HR028、HR029、HR030、 HR031、HR032、HR033、HR034、HR035、HR036、HR037、HR038、HR039、HR040、HR041、HR042、 HR043、HR044、HR045、HR046、HR047、HR048、HR049、HR050、HR051、HR052、HR053、HR054、 HR055、HR056、HR057、HR058、HR059、HR060、HR061、HR062、HR063、HR064、HR065、HR066、 HR067、HR068、HR069、HR070、HR071、HR072、HR073、HR074、HR075、HR076、HR077、HR078、 HR079、HR080、HR081、HR082、HR083、HR084、HR085、HR086、HR087、HR088、HR089、HR090、 HR091、HR092、HR093、HR094、HR095、HR096、HR097、HR098、HR099、HR100







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### **Test Results:**

1) Mechanical and Physical Tests:

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 1: 2014+A1: 2018

<u>Clause</u>	Description	<u>on</u>	Result			
4	General r	requirements				
4.1	Material c	leanliness (by visual assessment)	<u>Pass</u>			
4.2	Assembly <u>N</u>					
4.3	Flexible p	lastic sheeting	N/A			
4.4	Toy Bags		N/A			
4.5	Glass		N/A			
4.6	Expanding	g Materials	N/A			
4.7	Edges		<u>Pass</u>			
4.8	Points and	d Metallic Wires	<u>Pass</u>			
4.9	Protruding	g parts	N/A			
4.10	Parts mov	ring against each other:				
	4.10.1	Folding and sliding mechanisms	N/A			
	4.10.2	Driving mechanisms	<u>Pass</u>			
	4.10.3	Hinges	N/A			
	4.10.4	Springs	N/A			
4.11	Mouth-act	tuated toys and other toys intended to be put in the mouth	N/A			
4.12	Balloons .		N/A			
4.13	Cords of t	oy kites and other flying toys	N/A			
4.14	Enclosure	es:				
	4.14.1	Toys which a child can enter	N/A			
	4.14.2	Masks and helmets	N/A			
4.15	Toys inter	nded to bear the mass of a child:				
	4.15.1	Toys propelled by a child or by other means	N/A			
	4.15.2	Toy bicycles	N/A			
	4.15.3	Rocking horses and similar toys	N/A			
	4.15.4	Toys not propelled by a child	N/A			
	4.15.5	Toy scooters	N/A			
4.16	Heavy imi	mobile toys	N/A			
4.17	Projectile	toys	N/A			
4.18	Aquatic to	ys and inflatable toys	N/A			





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Clause	<u>Description</u>	Result
4.19	Percussion caps specifically designed for use in toys and toys using percussion	
	caps	<u>N/A</u>
4.20	Acoustics	<u>N/A</u>
4.21	Toys containing a non-electrical heat source	<u>N/A</u>
4.22	Small balls	<u>N/A</u>
4.23	Magnets	<u>N/A</u>
4.24	Yo-yo balls	<u>N/A</u>
4.25	Toys attached to food	<u>N/A</u>
4.26	Toy Disguise Costumes	<u>N/A</u>
4.27	Flying toys	<u>N/A</u>
5	Toys intended for children under 36 months	
5.1	General requirements	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	<u>N/A</u>
5.3	Plastic sheeting	<u>N/A</u>
5.4	Cords, chains and electrical cables in toys	<u>N/A</u>
5.5	Liquid filled toys	<u>N/A</u>
5.6	Speed limitation of electrically-driven ride-on toys	<u>N/A</u>
5.7	Glass and porcelain	<u>N/A</u>
5.8	Shape and size of certain toys	<u>N/A</u>
5.9	Toys comprising monofilament fibres	<u>N/A</u>
5.10	Small balls	<u>N/A</u>
5.11	Play figures	<u>N/A</u>
5.12	Hemispheric shaped toys	<u>N/A</u>
5.13	Suction cups	<u>N/A</u>
5.14	Straps intended to be worn fully or partially around the neck	<u>N/A</u>
5.15	Sledges with cords for pulling	N/A
6	Packaging	<u>Pass</u>
7	Warnings, markings and instructions for use	
7.1	General	<u>Pass</u>
7.2	Toys not intended for children under 36 months	<u>Pass</u>
7.3	Latex Balloons	N/A
7.4	Aquatic toys	N/A
7.5	Functional Toys	<u>N/A</u>
7.6	Hazardous sharp functional edges and points	N/A





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<u>Clause</u>	Description	Result
7.7	Projectile toys	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.11	Toys otherwise intended to be strung across a cradle, cot, or perambulator	N/A
7.12	Liquid-filled teethers	<u>N/A</u>
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toy bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toys with electrical cables exceeding 300mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36	
	months	<u>N/A</u>
7.23	Toys intended to be attached to a cradle, cot or perambulator	<u>N/A</u>
7.24	Sledges with cords for pulling	<u>N/A</u>
7.25	Flying toys	<u>N/A</u>
7.26	Improvised projectiles	N/A

N/A = Not Applicable





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### **Test Results:**

#### 2) Flammability Test:

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2: 2011+A1: 2014

<u>Clause</u>	<u>Description</u>	Result
4	Requirements	
4.1	General requirements	<u>Pass</u>
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by a child in play	<u>N/A</u>
4.4	Toys intended to be entered by a child	<u>N/A</u>
4.5	Soft-filled toys	N/A

N/A = Not Applicable

### 3) 2009/48/EC - Toy Safety Directives Label Assessment Summary table:

	Observation Result	Location
Cleaning instruction	Not applicable	
CE- marking	Present	Packaging
Importer's name & address	Present	Packaging
Manufacturer's name & address	Present	Packaging
Product identification code	Present	Packaging

#### Note:

It is drawn to your attention that the name and address of manufacturer and importer in EEC country, toy's type, batch, serial, model number or other element allowing the identification and the advice statement for keeping relevant information together with CE-marking should appear as specified Directive 2009/48/EC.





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#### **Test Results:**

4) Test Method: Samples were extracted in diluted hydrochloric acid in accordance with EN71-3: 2019, the analysis was performed by ICP-OES.

Test Item	Test Result (mg/kg)					Reporting Limit
restitem	1	2	3	4	5	(mg/kg)
Aluminum (AI)	23	ND	ND	ND	ND	2
Antimony (Sb)	ND	ND	ND	ND	ND	2
Arsenic (As)	ND	ND	ND	ND	ND	2
Barium (Ba)	4	ND	ND	ND	ND	2
Boron (B)	ND	ND	ND	ND	ND	2
Cadmium (Cd)	ND	ND	ND	ND	ND	2
Chromium (Cr³+) #△*	ND	ND	ND	ND	ND	0.2
Chromium (Cr <sup>6+</sup> ) #△*	ND	ND	ND	ND	ND	0.002
Cobalt (Co)	ND	ND	ND	ND	ND	2
Copper (Cu)	ND	ND	ND	ND	ND	2
Lead (Pb)	ND	ND	ND	ND	ND	2
Manganese (Mn)	15	ND	ND	ND	ND	2
Mercury (Hg)	ND	ND	ND	ND	ND	2
Nickel (Ni)	ND	ND	ND	ND	ND	2
Selenium (Se)	ND	ND	ND	ND	ND	2
Strontium (Sr)	55	ND	ND	ND	ND	2
Tin (Sn)	303	ND	ND	ND	9	2
Organic Tin*	See remark 1	ND	ND	ND	See remark 1	2
Zinc (Zn)	7	ND	ND	ND	ND	2

Note: 1. mg/kg = part per million = ppm ND = Not Detected (less than Reporting limit)

- 2. #Soluble Chromium (III) and Soluble Chromium (VI) were reported as Soluble Total Chromium, further confirmation test will be required when Total Chromium is detected.
- 3. \*Soluble Organic Tin was reported as Soluble Tin, further confirmation test will be required when Soluble Tin is detected.
- 4. All the materials tested belong to scraped-off toy material by identifying.
- 5.  $\triangle$  The test about this project was completed in EMTEK (Guangzhou) Co., Ltd. by subcontracting.
- 6. "★" = The test about this project was not within the scope of CNAS accreditations.





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Remark 1: Organic tin content(selected)

Test Method: Samples were extracted in diluted hydrochloric acid in accordance with EN 71-3:2019, the analysis was performed by GC-MS.

Test Item	Test Result (mg/kg)			
rest item	1	5		
MeT	<0.1	<0.1		
DMT	<0.1	<0.1		
ВиТ	<0.1	<0.1		
DBT	<0.1	<0.1		
ТВТ	<0.1	<0.1		
TeBT	<0.1	<0.1		
MOT	<0.1	<0.1		
DOT	<0.1	<0.1		
DProT	<0.1	<0.1		
DPhT	<0.1	<0.1		
TPhT	<0.1	<0.1		
SUM*	<0.1	<0.1		

Note: 1, mg/kg = part per million = ppm

- 2, All above organic tin test results are expressed as TBT
- 3, \* Only those organic tin compounds which present over 0.1ppm (expressed as TBT) are taken into account while calculating the sum of organic tin contents.
- 4. All the materials tested belong to scraped-off toy material by identifying.





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Requirement of migration of certain elements content according to EN71-3: 2019:

Parameter Dry, brittle, powder-like or pliable toy material (mg/kg)		Liquid or sticky toy material (mg/kg)	Scraped-off toy material (mg/kg)
Aluminum	5625	1406	70000
Antimony	45	11.3	560
Arsenic	3.8	0.9	47
Barium	1500	375	18750
Boron	1200	300	15000
Cadmium	1.3	0.3	17
Chromium (III)	37.5	9.4	460
Chromium Cr(VI)	0.02	0.005	0.053
Cobalt	10.5	2.6	130
Copper	622.5	156	7700
Lead	2	0.5	23
Manganese	1200	300	15000
Mercury	7.5	1.9	94
Nickel	75	18.8	930
Selenium	37.5	9.4	460
Strontium	4500	1125	56000
Tin	15000	3750	180000
Organic tin	0.9	0.2	12
Zinc	3750	938	46000





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### **Tested Materials:**

No.	Description				
1	Multicolor coating on plastic				
2	Silver hard plastic				
3	Black hard plastic				
4	White hard plastic				
5	Black soft plastic				

Note: The tested parts were designated by client.

### Sample Photo



\*\*\* End of Report \*\*\*





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